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| HPE A5500EI Comware V5 MIB Companion |
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# Introduction

This document provides information about the management information bases (MIBs) available for the device, including public and private MIBs.

This document also provides information about the notifications available for the device, including standard notifications and private notifications.

# Important information

## About MIB support status

A MIB, table, or scalar object is commented as "Not supported" if it is not supported by the device. To avoid unknown issues, do not access such a MIB, table, or scalar object even if it is accessible.

If a MIB is not supported, its notifications are not supported as well.

For backward compatibility and interoperability with third-party vendors, the software release might contain deprecated or obsolete MIBs. This document lists these MIBs but does not provide detailed information about the MIBs.

## About configuring the device by setting MIB objects

You can configure the device by setting its supported MIB objects. To make sure the values set in MIB objects can be restored correctly in CLI, use the following restrictions and guidelines:

* As a best practice, use visible characters from 0x21 to 0x7E, except for 0x3F, which represents the question mark (?). If you want to use a special character, make sure the CLI supports that character. For example, CLI uses the space for delimitation and uses the question mark for help indication. If a value contains a space or question mark, the CLI might be unable to restore that value.
* Make sure the value set in the MIB object is in the value range supported in the CLI. In rare situations, an MIB object might support a different value range than the CLI. For example, an OCTET STRING type MIB object might support longer strings than the maximum length allowed in the CLI. If the value set in the MIB object exceeds the maximum length allowed in the CLI, the CLI will be unable to restore the value correctly. Conversely, if a value set in the CLI is beyond the value range for the MIB object, the system cannot set that value in the MIB object.

## Using this document

This document describes MIBs in alphabetical order.

Information about scalar and tabular MIB objects is presented in tabular form, as shown in the following example:

| Object (OID) | Access | PDS | Description |
| --- | --- | --- | --- |
| ifIndex (1.3.6.1.2.1.2.2.1.1) | read-only | Yes | As per MIB |

Table 1 describes the purpose of each column.

* + - * 1. Table field description

| Item | Description |
| --- | --- |
| Object (OID) | Object name and its OID. |
| Access | ACCESS or MAX-ACCESS value as defined in MIBs. |
| PDS | Permanent data storage. This field describes whether the value in a MIB object can survive a reboot.  PDS status:   * + - * Yes—The value set in the MIB object is automatically saved and can survive a reboot.       * No—The value set in the MIB object cannot survive a reboot. The PDS is always "No" for a MIB object that is Counter, Counter32, or Counter64 type.       * Current—The value set in the MIB object can survive a reboot if it is save, for example, from the CLI. If a save operation is not performed, the value cannot survive a reboot. |
| Comments | Comments on the object, such as a value range.  Typical comments:   * + - * As per MIB—The object is implemented in full compliance with the MIB.       * Not supported— The object is accessible but it is not supported or tested. To avoid unknown issues, do not use such MIB objects. |

# List of public MIBs

Any action to modify, delete, remove and add must be recorded in Revision History

In File name column, the MIB file name must conform with the naming rule, that is the MIB module name prefixed with the RFC index like rfc2737-entity.mib. Note that file name is lowercase.

In MIB Version column, it indicates the MIB version used in devices.

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Name** | **File Name** | **comments** | **MIB Version** |
| BGP4-MIB | rfc1657-bgp4.mib |  | rfc1657 |
| BRIDGE-MIB | rfc1493-bridge.mib |  | rfc1493 |
| DISMAN-PING-MIB | rfc2925-disman-ping.mib |  | rfc2925 |
| DOT3-OAM-MIB | rfc4878-dot3-oam.mib |  | rfc4878 |
| Entity-MIB | rfc4133-entity.mib |  | rfc4133 |
| EtherLike-MIB | rfc2665-EtherLike.mib |  | rfc2665 |
| IEEE8021-CFM-MIB | ieee8021-cfm.mib |  | ieee8021ag |
| IEEE8021-PAE-MIB | ieee8021x.mib |  | ieee8021x |
| IEEE8023-LAG-MIB | ieee8023-lag.mib |  | ieee8024 |
| IF-MIB | rfc2233-if.mib |  | rfc2233 |
| IGMP-STD-MIB | rfc2933-igmp-std.mib |  | rfc2933 |
| IP-FORWARD-MIB | rfc2096-ip-forward.mib |  | rfc2096 |
| IP-MIB | rfc2011-ip-icmp.mib | The same as the IP Group of rfc1213 | rfc2011 |
| IPV6-ICMP-MIB | rfc2466-ipv6-icmp.mib |  | rfc2466 |
| IPV6-MIB | rfc2465-ipv6.mib |  | rfc2465 |
| IPV6-TCP-MIB | rfc2452-ipv6-tcp.mib |  | rfc2452 |
| IPV6-UDP-MIB | rfc2454-ipv6-udp.mib |  | rfc2454 |
| ISIS-MIB | rfc4444-isis.mib |  | rfc4444 |
| LLDP-EXT-DOT1-MIB | lldp-ext-dot1.mib |  | Annex F.7.1 of IEEE Std 802.1AB-2005 |
| LLDP-EXT-DOT3-MIB | lldp-ext-dot3.mib |  | Annex G.6.1 of IEEE Std 802.1AB-2005 |
| LLDP-MIB | lldp.mib |  | subclause 12.1 of IEEE Std 802.1AB-2005 |
| MAU-MIB | rfc3636-mau.mib |  | rfc3636 |
| MPLS-FTN-STD-MIB | rfc3814-mpls-ftn-std.mib |  | rfc3814 |
| MPLS-LDP-STD-MIB | rfc3815-mpls-ldp-std.mib |  | rfc3815 |
| MPLS-LSR-STD-MIB | rfc3813-mpls-lsr-std.mib |  | rfc3813 |
| OSPF-MIB | rfc1850-ospf.mib |  | rfc1850 |
| P-BRIDGE-MIB | rfc2674-pbridge.mib |  | rfc2674 |
| POWER-ETHERNET-MIB | rfc3621-power-ethernet.mib |  | rfc3621 |
| Q-BRIDGE-MIB | rfc2674-qbridge.mib |  | rfc2674 |
| RADIUS-ACC-CLIENT-MIB | rfc2620-radius-acc-client.mib |  | rfc2620 |
| RADIUS-AUTH-CLIENT-MIB | rfc2618-radius-auth-client.mib |  | rfc2618 |
| RFC1213-MIB | rfc1213.mib |  | rfc1213 |
| RIPv2-MIB | rfc1724-rip.mib |  | rfc1724 |
| RMON-MIB | rfc2819-rmon.mib |  | rfc2819 |
| SFLOW-MIB | sflow.mib |  | sflow |
| SNMP-FRAMEWORK-MIB | rfc2571-snmp-framework.mib |  | rfc2571 |
| SNMP-MPD-MIB | rfc2572-snmp-mpd.mib |  | rfc2572 |
| SNMP-NOTIFICATION-MIB | rfc2273-snmp-notification.mib |  | rfc2273 |
| SNMP-TARGET-MIB | rfc2573-snmp-target.mib |  | rfc2573 |
| SNMP-USER-BASED-SM-MIB | rfc3414-snmp-usm.mib |  | rfc3414 |
| SNMP-USM-AES-MIB | rfc3826-snmp-usm-aes.mib |  | rfc3826 |
| SNMPv2-MIB | rfc3418-snmpv2.mib | From rfc3418 | rfc3418 |
| SNMP-VIEW-BASED-ACM-MIB | rfc3415-snmp-vacm.mib |  | rfc3415 |
| UDP-MIB | rfc2013-udp.mib | The same as the UDP Group of rfc1213 | rfc2013 |
| VRRP-MIB | rfc2787-vrrp.mib |  | rfc2787 |
| TCP-MIB | rfc4022-tcp-mib.mib |  | Rfc4022 |
| UDP-MIB | rfc4113-udp-mib.mib |  | Rfc4113 |

# List of private MIBs

|  |  |  |  |
| --- | --- | --- | --- |
| Module Name | File Name | comments | MIB Version |
| HH3C-ACL-MIB | hh3c-acl.mib |  | V3.0 |
| HH3C-ARP-RATELIMIT-MIB | hh3c-arp-ratelimit.mib |  | V1.0 |
| HH3C-CBQOS2-MIB | hh3c-cbqos2.mib |  | V1.5 |
| HH3C-COMMON-SYSTEM-MIB | hh3c-common-system.mib | Only support trap | V1.0 |
| HH3C-CONFIG-MAN-MIB | hh3c-config-man.mib |  | V1.9 |
| HH3C-DHCPRELAY-MIB | hh3c-dhcprelay.mib |  | V1.1 |
| HH3C-DHCP-SERVER-MIB | hh3c-dhcp-server.mib |  | V1.1 |
| HH3C-DLDP-MIB | hh3c-dldp.mib |  | V1.1 |
| HH3C-DOMAIN-MIB | hh3c-domain.mib |  | V1.2 |
| HH3C-ENTITY-EXT-MIB | hh3c-entity-ext.mib |  | V1.9 |
| HH3C-FLASH-MAN-MIB | hh3c-flash-man.mib |  | V2.6 |
| HH3C-IF-EXT-MIB | hh3c-if-ext.mib |  | V1.0 |
| HH3C-IP-ADDRESS-MIB | hh3c-ip-address.mib |  | V1.3 |
| HH3C-IP-BROADCAST-MIB | hh3c-ip-broadcast.mib |  | V1.0 |
| HH3C-IPV6-ADDRESS-MIB | hh3c-ipv6-address.mib |  | V1.0 |
| HH3C-MIRRORGROUP-MIB | hh3c-mirrorgroup.mib |  | V1.0 |
| HH3C-MPM-MIB | hh3c-mpm.mib |  | V1.2 |
| HH3C-NQA-MIB | hh3c-nqa.mib |  | V2.3 |
| HH3C-PORT-SECURITY-MIB | hh3c-port-security.mib |  | v1.5 |
| HH3C-POWER-ETH-EXT-MIB | hh3c-power-eth-ext.mib |  | V1.5 |
| HH3C-PROTOCOL-VLAN-MIB | hh3c-protocol-vlan.mib |  | V1.3 |
| HH3C-QINQ-MIB | hh3c-qinq.mib |  | V1.1 |
| HH3C-QOS-CAPABILITY-MIB | hh3c-qos-capability.mib |  | V1.1 |
| HH3C-RADIUS-MIB | hh3c-radius.mib |  | V1.8 |
| HH3C-RRPP-MIB | hh3c-rrpp.mib |  | V1.4 |
| HH3C-SUBNET-VLAN-MIB | hh3c-subnet-vlan.mib |  | V1.0 |
| HH3C-SYS-MAN-MIB | hh3c-sys-man.mib |  | V2.1 |
| HH3C-UI-MAN-MIB | hh3c-ui-man.mib |  | V1.6 |
| HH3C-USER-MIB | hh3c-user.mib |  | V2.4 |
| HH3C-VOICE-VLAN-MIB | hh3c-voice-vlan.mib |  | V1.2 |
| HH3C-8021PAE-MIB | hh3c-8021x-ext.mib |  | V1.3 |
| HH3C-DHCPS-MIB | hh3c-dhcps.mib |  | V1.51 |
| HH3C-DISMAN-PING-MIB | hh3c-ping.mib |  | V1.3 |
| HH3C-LAG-MIB | hh3c-lag.mib |  | V1.2 |
| HH3C-LSW-DEV-ADM-MIB | hh3c-lsw-dev-adm.mib |  | V3.25 |
| HH3C-LswDEVM-MIB | hh3c-splat-devm.mib |  | V2.2 |
| HH3C-LswIGSP-MIB | hh3c-splat-igsp.mib |  | V1.0 |
| HH3C-LswINF-MIB | hh3c-splat-inf.mib |  | V2.9 |
| HH3C-LswMAM-MIB | hh3c-splat-mam.mib |  | V2.3 |
| HH3C-LswMix-MIB | hh3c-splat-mix.mib |  | V1.2 |
| HH3C-LswMSTP-MIB | hh3c-splat-mstp.mib |  | V1.14 |
| HH3C-LswTRAP-MIB | hh3c-splat-trap.mib |  | V1.0 |
| HH3C-LswVLAN-MIB | hh3c-splat-vlan.mib |  | V1.8 |
| HH3C-NTP-MIB | hh3c-ntp.mib |  | V1.4 |
| HH3C-RMON-EXT-MIB | hh3c-rmon-ext.mib |  | V2.0 |
| HH3C-TRNG-MIB | hh3c-trng.mib |  | V1.3 |
| HH3C-EPON-MIB | hh3c-epon.mib |  | V1.8 |
| HH3C-DOT3-EFM-EPON-MIB | hh3c-dot3-efm-epon.mib |  | V1.0 |
| HH3C-EFM-COMMON-MIB | hh3c-efm-common.mib |  | V1.1 |
| HH3C-EPON-DEVICE-MIB | hh3c-epon-device.mib |  | V1.0 |
| HH3C-EPON-UNI-MIB | hh3c-epon-uni.mib |  | V1.6 |
| HH3C-STORM-CONSTRAIN MIB | hh3c-storm-constrain.mib |  | V1.1 |

# Standard notifications

This section contains a list of the traps/notification defined in the standard MIB (defined by IETF, IEEE or other standard organization).

|  |  |  |
| --- | --- | --- |
| Trap | MIB | Description |
| bgpEstablished (1.3.6.1.2.1.15.7.1) | BGP4-MIB | As per MIB |
| bgpBackwardTransition (1.3.6.1.2.1.15.7.2) | BGP4-MIB | As per MIB |
| pingProbeFailed (1.3.6.1.2.1.80.0.1) | DISMAN-PING-MIB | As per MIB |
| pingTestFailed (1.3.6.1.2.1.80.0.2) | DISMAN-PING-MIB | As per MIB |
| pingTestCompleted (1.3.6.1.2.1.80.0.3) | DISMAN-PING-MIB | As per MIB |
| mplsXCUp (1.3.6.1.2.1.10.166.2.0.1) | MPLS-LSR-STD-MIB | Only support one lsp in one trap |
| mplsXCDown (1.3.6.1.2.1.10.166.2.0.2) | MPLS-LSR-STD-MIB | Only support one lsp in one trap |
| pethPsePortOnOffNotification (1.3.6.1.2.1.105.0.1) | POWER-ETHERNET-MIB | As per MIB |
| pethMainPowerUsageOnNotification (1.3.6.1.2.1.105.0.2) | POWER-ETHERNET-MIB | As per MIB |
| pethMainPowerUsageOffNotification (1.3.6.1.2.1.105.0.3) | POWER-ETHERNET-MIB | As per MIB |
| risingAlarm (1.3.6.1.2.1.16.0.1) | RMON-MIB | As per MIB |
| fallingAlarm (1.3.6.1.2.1.16.0.2) | RMON-MIB | As per MIB |
| coldStart (1.3.6.1.6.3.1.1.5.1) | SNMPv2-MIB | As per MIB |
| warmStart (1.3.6.1.6.3.1.1.5.2) | SNMPv2-MIB | As per MIB |
| linkDown (1.3.6.1.6.3.1.1.5.3) | SNMPv2-MIB | As per MIB |
| linkUp (1.3.6.1.6.3.1.1.5.4) | SNMPv2-MIB | As per MIB |
| authenticationFailure (1.3.6.1.6.3.1.1.5.5) | SNMPv2-MIB | As per MIB |
| vrrpTrapNewMaster (1.3.6.1.2.1.68.0.1) | VRRP-MIB | As per MIB |
| vrrpTrapAuthFailure (1.3.6.1.2.1.68.0.2) | VRRP-MIB | As per MIB |
| ipv6IfStateChange (1.3.6.1.2.1.55.2.0.1) | IPV6-MIB | As per MIB |
| lldpRemTablesChange (1.0.8802.1.1.2.0.0.1) | LLDP-MIB | As per MIB |
| isisDatabaseOverload (1.3.6.1.2.1.138.0.1) | ISIS-MIB | As per MIB |
| isisManualAddressDrops (1.3.6.1.2.1.138.0.2) | ISIS-MIB | As per MIB |
| isisCorruptedLSPDetected (1.3.6.1.2.1.138.0.3) | ISIS-MIB | As per MIB |
| isisAttemptToExceedMaxSequence (1.3.6.1.2.1.138.0.4) | ISIS-MIB | As per MIB |
| isisIDLenMismatch (1.3.6.1.2.1.138.0.5) | ISIS-MIB | As per MIB |
| isisMaxAreaAddressesMismatch (1.3.6.1.2.1.138.0.6) | ISIS-MIB | As per MIB |
| isisOwnLSPPurge (1.3.6.1.2.1.138.0.7) | ISIS-MIB | As per MIB |
| isisSequenceNumberSkip (1.3.6.1.2.1.138.0.8) | ISIS-MIB | As per MIB |
| isisAuthenticationTypeFailure (1.3.6.1.2.1.138.0.9) | ISIS-MIB | As per MIB |
| isisAuthenticationFailure (1.3.6.1.2.1.138.0.10) | ISIS-MIB | As per MIB |
| isisVersionSkew (1.3.6.1.2.1.138.0.11) | ISIS-MIB | As per MIB |
| isisAreaMismatch (1.3.6.1.2.1.138.0.12) | ISIS-MIB | As per MIB |
| isisRejectedAdjacency (1.3.6.1.2.1.138.0.13) | ISIS-MIB | As per MIB |
| isisLSPTooLargeToPropagate (1.3.6.1.2.1.138.0.14) | ISIS-MIB | As per MIB |
| isisOrigLSPBuffSizeMismatch (1.3.6.1.2.1.138.0.15) | ISIS-MIB | As per MIB |
| isisProtocolsSupportedMismatch (1.3.6.1.2.1.138.0.16) | ISIS-MIB | As per MIB |
| isisAdjacencyChange (1.3.6.1.2.1.138.0.17) | ISIS-MIB | As per MIB |
| isisLSPErrorDetected (1.3.6.1.2.1.138.0.18) | ISIS-MIB | As per MIB |
| dot1agCfmFaultAlarm (1.3.111.2.802.1.1.8.0.1) | IEEE8021-CFM-MIB | As per MIB |
| dot3OamThresholdEvent (1.3.6.1.2.1.158.0.1) | DOT3-OAM-MIB | As per MIB |
| dot3OamNonThresholdEvent (1.3.6.1.2.1.158.0.2) | DOT3-OAM-MIB | As per MIB |

# Private notifications

This section contains a list of the traps defined in the private MIB(defined by enterprise).

|  |  |  |
| --- | --- | --- |
| Trap | MIB | Description |
| hh3cRebootSendTrap (1.3.6.1.4.1.25506.6.8.3) | HH3C-COMMON-SYSTEM-MIB | As per MIB |
| hh3cCfgManEventlog (1.3.6.1.4.1.25506.2.4.2.1) | HH3C-CONFIG-MAN-MIB | As per MIB |
| hh3cCfgOperateCompletion (1.3.6.1.4.1.25506.2.4.2.2) | HH3C-CONFIG-MAN-MIB | As per MIB |
| hh3cEntityExtTemperatureThresholdNotification (1.3.6.1.4.1.25506.2.6.2.0.1) | HH3C-ENTITY-EXT-MIB | If the device supports temperature monitor and entity extend MIB, this object will be supported. |
| hh3cEntityExtCpuUsageThresholdNotfication (1.3.6.1.4.1.25506.2.6.2.0.4) | HH3C-ENTITY-EXT-MIB | As per MIB |
| hh3cEntityExtCriticalTemperatureThresholdNotification (1.3.6.1.4.1.25506.2.6.2.0.8) | HH3C-ENTITY-EXT-MIB | If the device supports temperature monitor and entity extend MIB, this object will be supported. |
| hh3cEntityExtMemUsageThresholdNotification (1.3.6.1.4.1.25506.2.6.2.0.5) | HH3C-ENTITY-EXT-MIB | As per MIB |
| hh3cEntityExtSFPPhony (1.3.6.1.4.1.25506.2.6.2.0.11) | HH3C-ENTITY-EXT-MIB | This module is NOT sold by HH3C. H3C therefore shall NOT guarantee the normal function of the device or assume the maintenance responsibility thereof. The trap is generated periodically after a phony module has been found. |
| hh3cFlhOperNotification (1.3.6.1.4.1.25506.2.5.1.3.1) | HH3C-FLASH-MAN-MIB | As per MIB |
| hh3cSecureAddressLearned (1.3.6.1.4.1.25506.2.26.1.3.1) | HH3C-PORT-SECURITY-MIB | As per MIB |
| hh3cSecureLoginFailure (1.3.6.1.4.1.25506.2.26.1.3.3) | HH3C-PORT-SECURITY-MIB | As per MIB |
| hh3cSecureLogon (1.3.6.1.4.1.25506.2.26.1.3.4) | HH3C-PORT-SECURITY-MIB | As per MIB |
| hh3cSecureLogoff (1.3.6.1.4.1.25506.2.26.1.3.5) | HH3C-PORT-SECURITY-MIB | As per MIB |
| hh3cSecureRalmLoginFailure (1.3.6.1.4.1.25506.2.26.1.3.6) | HH3C-PORT-SECURITY-MIB | As per MIB |
| hh3cSecureRalmLogon (1.3.6.1.4.1.25506.2.26.1.3.7) | HH3C-PORT-SECURITY-MIB | As per MIB |
| hh3cSecureRalmLogoff (1.3.6.1.4.1.25506.2.26.1.3.8) | HH3C-PORT-SECURITY-MIB | As per MIB |
| hh3cSecureViolation (1.3.6.1.4.1.25506.2.26.1.3.2) | HH3C-PORT-SECURITY-MIB | As per MIB |
| hh3cPOEACInCurANotification (1.3.6.1.4.1.25506.2.14.6.11) | HH3C-POWER-ETH-EXT-MIB | As per MIB |
| hh3cPOEACInCurBNotification (1.3.6.1.4.1.25506.2.14.6.12) | HH3C-POWER-ETH-EXT-MIB | As per MIB |
| hh3cPOEACInCurCNotification (1.3.6.1.4.1.25506.2.14.6.13) | HH3C-POWER-ETH-EXT-MIB | As per MIB |
| hh3cPOEACSwitchNotification (1.3.6.1.4.1.25506.2.14.6.10) | HH3C-POWER-ETH-EXT-MIB | As per MIB |
| hh3cPOEACSwitchVolABNotification (1.3.6.1.4.1.25506.2.14.6.14) | HH3C-POWER-ETH-EXT-MIB | As per MIB |
| hh3cPOEACSwitchVolBCNotification (1.3.6.1.4.1.25506.2.14.6.15) | HH3C-POWER-ETH-EXT-MIB | As per MIB |
| hh3cPOEACSwitchVolCANotification (1.3.6.1.4.1.25506.2.14.6.16) | HH3C-POWER-ETH-EXT-MIB | As per MIB |
| hh3cPOECurRestrictedNotification (1.3.6.1.4.1.25506.2.14.6.9) | HH3C-POWER-ETH-EXT-MIB | As per MIB |
| hh3cPOEDCOutVolNotification (1.3.6.1.4.1.25506.2.14.6.17) | HH3C-POWER-ETH-EXT-MIB | As per MIB |
| hh3cPOEDisconnectNotification (1.3.6.1.4.1.25506.2.14.6.2) | HH3C-POWER-ETH-EXT-MIB | As per MIB |
| hh3cPOEFanErrorNotification (1.3.6.1.4.1.25506.2.14.6.7) | HH3C-POWER-ETH-EXT-MIB | As per MIB |
| hh3cPOEInputErrorNotification (1.3.6.1.4.1.25506.2.14.6.3) | HH3C-POWER-ETH-EXT-MIB | As per MIB |
| hh3cPOEModuleShutdownNotification (1.3.6.1.4.1.25506.2.14.6.8) | HH3C-POWER-ETH-EXT-MIB | As per MIB |
| hh3cPOEOutputErrorNotification (1.3.6.1.4.1.25506.2.14.6.4) | HH3C-POWER-ETH-EXT-MIB | As per MIB |
| hh3cPOEOverTempNotification (1.3.6.1.4.1.25506.2.14.6.6) | HH3C-POWER-ETH-EXT-MIB | As per MIB |
| hh3cPOEOverVoltageNotification (1.3.6.1.4.1.25506.2.14.6.5) | HH3C-POWER-ETH-EXT-MIB | As per MIB |
| hh3cpsePDChangeNotification (1.3.6.1.4.1.25506.2.14.6.1) | HH3C-POWER-ETH-EXT-MIB | As per MIB |
| hh3cPOEShutdownNotification (1.3.6.1.4.1.25506.2.14.6.18) | HH3C-POWER-ETH-EXT-MIB | As per MIB |
| hh3cRadiusAuthErrTrap (1.3.6.1.4.1.25506.2.13.3.0.3) | HH3C-RADIUS-MIB | As per MIB |
| hh3cRadiusAuthServerDownTrap (1.3.6.1.4.1.25506.2.13.3.1) | HH3C-RADIUS-MIB | As per MIB |
| hh3cRadiusAccServerDownTrap (1.3.6.1.4.1.25506.2.13.3.2) | HH3C-RADIUS-MIB | As per MIB |
| hh3cSysClockChangedNotification (1.3.6.1.4.1.25506.2.3.2.1) | HH3C-SYS-MAN-MIB | As per MIB |
| hh3cSysReloadNotification (1.3.6.1.4.1.25506.2.3.2.2) | HH3C-SYS-MAN-MIB | As per MIB |
| hh3csupplicantproxycheck (1.3.6.1.4.1.25506.8.6.1.0.1) | HH3C-8021PAE-MIB | As per MIB |
| hh3cAggPortInactiveNotification (1.3.6.1.4.1.25506.8.25.2.2) | HH3C-LAG-MIB | As per MIB |
| hh3cAggPortInactiveNotification2 (1.3.6.1.4.1.25506.8.25.2.3) | HH3C-LAG-MIB | As per MIB |
| hh3cAggPortActiveNotification (1.3.6.1.4.1.25506.8.25.2.4) | HH3C-LAG-MIB | As per MIB |
| hh3cSlaveSwitchOver (1.3.6.1.4.1.25506.8.35.17.10.1) | HH3C-LswMix-MIB |  |
| hh3cBridgeLostRootPrimary (1.3.6.1.4.1.25506.8.35.14.0.3) | HH3C-LswMSTP-MIB | As per MIB |
| hh3cPortMstiBpduGuarded (1.3.6.1.4.1.25506.8.35.14.0.5) | HH3C-LswMSTP-MIB | As per MIB |
| hh3cPortMstiLoopGuarded (1.3.6.1.4.1.25506.8.35.14.0.6) | HH3C-LswMSTP-MIB | As per MIB |
| hh3cPortMstiRootGuarded (1.3.6.1.4.1.25506.8.35.14.0.4) | HH3C-LswMSTP-MIB | As per MIB |
| hh3cPortMstiStateForwarding (1.3.6.1.4.1.25506.8.35.14.0.1) | HH3C-LswMSTP-MIB | As per MIB |
| hh3cPortMstiStateDiscarding (1.3.6.1.4.1.25506.8.35.14.0.2) | HH3C-LswMSTP-MIB | As per MIB |
| hh3cfanfailure (1.3.6.1.4.1.25506.8.35.12.1.6) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cBackBoardModeSetFuilure (1.3.6.1.4.1.25506.8.35.12.1.21) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cBackBoardModeSetOK (1.3.6.1.4.1.25506.8.35.12.1.22) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cBoardTemperatureFormHigherToNormal (1.3.6.1.4.1.25506.8.35.12.1.17) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cBoardTemperatureFromLowerToNormal (1.3.6.1.4.1.25506.8.35.12.1.15) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cBoardTemperatureHigher (1.3.6.1.4.1.25506.8.35.12.1.16) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cBoardTemperatureLower (1.3.6.1.4.1.25506.8.35.12.1.14) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cBoardFailure (1.3.6.1.4.1.25506.8.35.12.1.10) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cBoardInserted (1.3.6.1.4.1.25506.8.35.12.1.9) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cBoardNormal (1.3.6.1.4.1.25506.8.35.12.1.11) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cBoardRemoved (1.3.6.1.4.1.25506.8.35.12.1.8) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cFanNormal (1.3.6.1.4.1.25506.8.35.12.1.7) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cLoadFailure (1.3.6.1.4.1.25506.8.35.12.1.19) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cLoadFinished (1.3.6.1.4.1.25506.8.35.12.1.20) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cMasterPowerNormal (1.3.6.1.4.1.25506.8.35.12.1.3) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cPowerInserted (1.3.6.1.4.1.25506.8.35.12.1.23) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cPowerNormal (1.3.6.1.4.1.25506.8.35.12.1.2) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cPowerRemoved (1.3.6.1.4.1.25506.8.35.12.1.5) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cpowerfailure (1.3.6.1.4.1.25506.8.35.12.1.1) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cSlavePowerNormal (1.3.6.1.4.1.25506.8.35.12.1.4) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cSubcardRemove (1.3.6.1.4.1.25506.8.35.12.1.12) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cSubcardInsert (1.3.6.1.4.1.25506.8.35.12.1.13) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cRequestLoading (1.3.6.1.4.1.25506.8.35.12.1.18) | HH3C-LswTRAP-MIB | As per MIB |
| hh3cpririsingAlarm (1.3.6.1.4.1.25506.8.4.0.1) | HH3C-RMON-EXT-MIB | As per MIB |
| hh3cprifallingAlarm (1.3.6.1.4.1.25506.8.4.0.2) | HH3C-RMON-EXT-MIB | As per MIB |
| hh3cRrppRingRecover (1.3.6.1.4.1.25506.2.45.3.1) | HH3C-RRPP-MIB | As per MIB |
| hh3cRrppRingFail (1.3.6.1.4.1.25506.2.45.3.2) | HH3C-RRPP-MIB | As per MIB |
| hh3cRrppMultiMaster (1.3.6.1.4.1.25506.2.45.3.3) | HH3C-RRPP-MIB | As per MIB |
| hh3cRrppMajorFault (1.3.6.1.4.1.25506.2.45.3.4) | HH3C-RRPP-MIB | As per MIB |
| hh3cEponPortAlarmBerTrap (1.3.6.1.4.1.25506.2.42.1.8.0.1) | HH3C-EPON-MIB | As per MIB |
| hh3cEponPortAlarmFerTrap (1.3.6.1.4.1.25506.2.42.1.8.0.2) | HH3C-EPON-MIB | As per MIB |
| hh3cEponErrorLLIDFrameTrap (1.3.6.1.4.1.25506.2.42.1.8.0.3) | HH3C-EPON-MIB | As per MIB |
| hh3cEponLoopBackEnableTrap (1.3.6.1.4.1.25506.2.42.1.8.0.4) | HH3C-EPON-MIB | As per MIB |
| hh3cEponOnuRegistrationErrTrap (1.3.6.1.4.1.25506.2.42.1.8.0.5) | HH3C-EPON-MIB | As per MIB |
| hh3cEponOamDisconnectionTrap (1.3.6.1.4.1.25506.2.42.1.8.0.6) | HH3C-EPON-MIB | Not supported |
| hh3cEponEncryptionKeyErrTrap (1.3.6.1.4.1.25506.2.42.1.8.0.7) | HH3C-EPON-MIB | Not supported |
| hh3cEponRemoteStableTrap (1.3.6.1.4.1.25506.2.42.1.8.0.8) | HH3C-EPON-MIB | As per MIB |
| hh3cEponLocalStableTrap (1.3.6.1.4.1.25506.2.42.1.8.0.9) | HH3C-EPON-MIB | As per MIB |
| hh3cEponOamVendorSpecificTrap (1.3.6.1.4.1.25506.2.42.1.8.0.10) | HH3C-EPON-MIB | As per MIB |
| hh3cEponSoftwareErrTrap (1.3.6.1.4.1.25506.2.42.1.8.0.11) | HH3C-EPON-MIB | As per MIB |
| hh3cEponPortAlarmBerRecoverTrap (1.3.6.1.4.1.25506.2.42.1.8.0.12) | HH3C-EPON-MIB | As per MIB |
| hh3cEponPortAlarmFerRecoverTrap (1.3.6.1.4.1.25506.2.42.1.8.0.13) | HH3C-EPON-MIB | As per MIB |
| hh3cEponErrorLLIDFrameRecoverTrap (1.3.6.1.4.1.25506.2.42.1.8.0.14) | HH3C-EPON-MIB | As per MIB |
| hh3cEponLoopBackEnableRecoverTrap (1.3.6.1.4.1.25506.2.42.1.8.0.15) | HH3C-EPON-MIB | As per MIB |
| hh3cEponOnuRegistrationErrRecoverTrap (1.3.6.1.4.1.25506.2.42.1.8.0.16) | HH3C-EPON-MIB | As per MIB |
| hh3cEponOamDisconnectionRecoverTrap (1.3.6.1.4.1.25506.2.42.1.8.0.17) | HH3C-EPON-MIB | As per MIB |
| hh3cEponEncryptionKeyErrRecoverTrap (1.3.6.1.4.1.25506.2.42.1.8.0.18) | HH3C-EPON-MIB | As per MIB |
| hh3cEponRemoteStableRecoverTrap (1.3.6.1.4.1.25506.2.42.1.8.0.19) | HH3C-EPON-MIB | As per MIB |
| hh3cEponLocalStableRecoverTrap (1.3.6.1.4.1.25506.2.42.1.8.0.20) | HH3C-EPON-MIB | As per MIB |
| hh3cEponOamVendorSpecificRecoverTrap (1.3.6.1.4.1.25506.2.42.1.8.0.21) | HH3C-EPON-MIB | As per MIB |
| hh3cEponSoftwareErrRecoverTrap (1.3.6.1.4.1.25506.2.42.1.8.0.22) | HH3C-EPON-MIB | As per MIB |
| hh3cDot3OamThresholdRecoverEvent (1.3.6.1.4.1.25506.2.42.1.8.0.23) | HH3C-EPON-MIB | As per MIB |
| hh3cDot3OamNonThresholdRecoverEvent (1.3.6.1.4.1.25506.2.42.1.8.0.24) | HH3C-EPON-MIB | As per MIB |
| hh3cEponOnuRegExcessTrap (1.3.6.1.4.1.25506.2.42.1.8.0.25) | HH3C-EPON-MIB | As per MIB |
| hh3cEponOnuRegExcessRecoverTrap (1.3.6.1.4.1.25506.2.42.1.8.0.26) | HH3C-EPON-MIB | As per MIB |
| hh3cEponOnuPowerOffTrap (1.3.6.1.4.1.25506.2.42.1.8.0.27) | HH3C-EPON-MIB | As per MIB |
| hh3cEponOltSwitchoverTrap (1.3.6.1.4.1.25506.2.42.1.8.0.28) | HH3C-EPON-MIB | As per MIB |
| hh3cEponOltDFETrap (1.3.6.1.4.1.25506.2.42.1.8.0.29) | HH3C-EPON-MIB | As per MIB |
| hh3cEponOltDFERecoverTrap (1.3.6.1.4.1.25506.2.42.1.8.0.30) | HH3C-EPON-MIB | As per MIB |
| hh3cEponOnuAutoBindTrap (1.3.6.1.4.1.25506.2.42.1.8.0.34) | HH3C-EPON-MIB | As per MIB |
| hh3cEponOnuPortStpStateTrap (1.3.6.1.4.1.25506.2.42.1.8.0.35) | HH3C-EPON-MIB | As per MIB |
| hh3cSSHUserAuthFailure (1.3.6.1.4.1.25506.2.22.1.3.0.1) | HH3C-SSH-MIB | The trap is generated when a user fails to authentication. |
| hh3cSSHVersionNegotiationFailure (1.3.6.1.4.1.25506.2.22.1.3.0.2) | HH3C-SSH-MIB | The trap is generated when a user fails to negotiate SSH protocol version. |
| hh3cSSHUserLogin (1.3.6.1.4.1.25506.2.22.1.3.0.3) | HH3C-SSH-MIB | The trap is generated when a user logs in successfully. |
| hh3cSSHUserLogoff (1.3.6.1.4.1.25506.2.22.1.3.0.4) | HH3C-SSH-MIB | The trap is generated when a user logs off. |
| hh3cMACInformationChangedTrap (1.3.6.1.4.1.25506.2.87.1.3.0.1) | HH3C-MAC-INFORMATION-MIB | As per MIB |
| hh3cMACInformationChangedTrapExt (1.3.6.1.4.1.25506.2.87.1.4.0.1) | HH3C-MAC-INFORMATION-MIB | As per MIB |
| hh3cEponUniLinkUpTrap (1.3.6.1.4.1.25506.2.42.5.2.0.1) | HH3C-EPON-UNI-MIB | As per MIB |
| hh3cEponUniLinkDownTrap (1.3.6.1.4.1.25506.2.42.5.2.0.2) | HH3C-EPON-UNI-MIB | As per MIB |
| hh3cStormRising (1.3.6.1.4.1.25506.2.66.3.1) | HH3C-STORM-CONSTRAIN | As per MIB |
| hh3cStormFalling (1.3.6.1.4.1.25506.2.66.3.2) | HH3C-STORM-CONSTRAIN | As per MIB |
| hh3cDHCPServerAddrExhaust (1.3.6.1.4.1.25506.2.101.3.0.1) | HH3C-DHCPS-MIB | As per MIB |
| hh3cDHCPServerAddrExhaustRecover (1.3.6.1.4.1.25506.2.101.3.0.2) | HH3C-DHCPS-MIB | As per MIB |
| hh3cDHCPServerAvgIpUsageOverflow (1.3.6.1.4.1.25506.2.101.3.0.3) | HH3C-DHCPS-MIB | As per MIB |
| hh3cDHCPServerMaxIpUsageOverflow (1.3.6.1.4.1.25506.2.101.3.0.4) | HH3C-DHCPS-MIB | As per MIB |
| hh3cDHCPServerAllocateOverflow (1.3.6.1.4.1.25506.2.101.3.0.5) | HH3C-DHCPS-MIB | As per MIB |
| hh3cRadiusAuthServerUpTrap (1.3.6.1.4.1.25506.2.13.3.0.1) | HH3C-RADIUS-MIB | As per MIB |
| hh3cRadiusAccServerUpTrap (1.3.6.1.4.1.25506.2.13.3.0.2) | HH3C-RADIUS-MIB | As per MIB |
| hh3cIpAddressChangeNotify (1.3.6.1.4.1.25506.2.67.2.2.0.1) | HH3C-IP-ADDRESS-MIB | As per MIB |
| hh3cARPRatelimitOverspeedTrap (1.3.6.1.4.1.25506.2.110.1.1.0.1) | HH3C-ARP-RATELIMIT-MIB | If the rate of ARP packets delivered to the CPU on a device  exceeds the threshold, a trap message is generated and sent  to the remote monitoring device. |
| hh3cNqaProbeTimeOverThreshold (1.3.6.1.4.1.25506.8.3.3.1) | HH3C-NQA-MIB | As per MIB |
| hh3cNqaJitterRTTOverThreshold (1.3.6.1.4.1.25506.8.3.3.2) | HH3C-NQA-MIB | As per MIB |
| hh3cNqaProbeFailure (1.3.6.1.4.1.25506.8.3.3.3) | HH3C-NQA-MIB | As per MIB |
| hh3cNqaJitterPacketLoss (1.3.6.1.4.1.25506.8.3.3.4) | HH3C-NQA-MIB | As per MIB |
| hh3cNqaJitterSDOverThreshold (1.3.6.1.4.1.25506.8.3.3.5) | HH3C-NQA-MIB | As per MIB |
| hh3cNqaJitterDSOverThreshold (1.3.6.1.4.1.25506.8.3.3.6) | HH3C-NQA-MIB | As per MIB |
| hh3cNqaICPIFOverThreshold (1.3.6.1.4.1.25506.8.3.3.7) | HH3C-NQA-MIB | As per MIB |
| hh3cNqaMOSOverThreshold (1.3.6.1.4.1.25506.8.3.3.8) | HH3C-NQA-MIB | As per MIB |

# RFC1213-MIB

## System Group

This group is fully supported.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| sysDescr (1.3.6.1.2.1.1.1) | read-only | Yes | information about device. For example:  “HP Comware Platform Software, Software Version 5.20 Feature 2210<0D><0A>HP A5500-24G EI Switch with 2 Interface Slots<0D><0A>Copyright (c) 2010-2011 Hewlett-Packard Development Company, L.P.” |
| sysObjectID (1.3.6.1.2.1.1.2) | read-only | Yes | OBJECT IDENTIFIER ::= { hpSwitch 24 }  ------------>HPA5500-24GEISwitchwith2InterfaceSlots  OBJECT IDENTIFIER ::= { hpSwitch 25 }  ----------🡪HPA5500-48GEISwitchwith2InterfaceSlots  OBJECT IDENTIFIER ::= { hpSwitch 26 }  ----------🡪HPA5500-24G-PoE+EISwitchwith2InterfaceSlots  OBJECT IDENTIFIER ::= { hpSwitch 27 }----🡪HPA5500-48G-PoE+EISwitchwith2InterfaceSlots  OBJECT IDENTIFIER ::= { hpSwitch 28 }  -----🡪HPA5500-24G-SFPEISwitchwith2InterfaceSlots  OBJECT IDENTIFIER ::= { hpSwitch 73 }  ----------------🡪HPA5500-24G-SFPEITAA-compliantSwitchwith2InterfaceSlots  OBJECT IDENTIFIER ::= { hpSwitch 74 }  ------------🡪HPA5500-24GEITAA-compliantSwitchwith2InterfaceSlots  OBJECT IDENTIFIER ::= { hpSwitch 75 }  -----🡪HPA5500-48GEITAA-compliantSwitchwith2InterfaceSlots  OBJECT IDENTIFIER ::= { hpSwitch 76 }  -------🡪HPA5500-24G-PoE+EITAA-compliantSwitchwith2InterfaceSlots  OBJECT IDENTIFIER ::= { hpSwitch 77 }  ---🡪HPA5500-48G-PoE+EI TAA-compliantSwitchwith2InterfaceSlots |
| sysUpTime (1.3.6.1.2.1.1.3) | read-only | No | As per MIB |
| sysContact (1.3.6.1.2.1.1.4) | read-write | Current | None |
| sysName (1.3.6.1.2.1.1.5) | read-write | Current | “HP” |
| sysLocation (1.3.6.1.2.1.1.6) | read-write | Current | None |

## Interfaces Group

Please refer to IF-MIB in RFC2233.

### ifNumber

The ifNumber value will display the actual number of entries in the ifTable.

### ifTable

OID of this table is : 1.3.6.1.2.1.2.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ifIndex (1.3.6.1.2.1.2.2.1.1) | read-only | Current | As per MIB |
| ifDescr (1.3.6.1.2.1.2.2.1.2) | read-only | No | A textual string containing information about the interface. Such as Aux0/0/0, null0, Vlan-interface2, ethernet1/0/1 |
| ifType (1.3.6.1.2.1.2.2.1.3) | read-only | Current | As per MIB |
| ifMtu (1.3.6.1.2.1.2.2.1.4) | read-only | Current | The size of the largest datagram which can be sent/received by interface in octets. If this port is stack port, the vlaue is invalid. |
| ifSpeed (1.3.6.1.2.1.2.2.1.5) | read-only | Current | An estimate of the interface's current bandwidth in bits per second. |
| ifPhysAddress (1.3.6.1.2.1.2.2.1.6) | read-only | Current | MAC address  For switches, the following type of interfaces support mac address:  M-Ethernet(Management Ethernet) port  Vlan interface  Ethernet port  Gigabit Ethernet port  Other type of interfaces don’t support mac address |
| ifAdminStatus (1.3.6.1.2.1.2.2.1.7) | read- write | Current | enable or disable an interface, ”testing” is not supported |
| ifOperStatus (1.3.6.1.2.1.2.2.1.8) | read-only | Current | The current operational state (link status) of the interface. |
| ifLastChange (1.3.6.1.2.1.2.2.1.9) | read-only | No | The value of sysUpTime at the time the interface entered its current operational state. If the current state was entered prior to the last re-initialization of the local network management subsystem, then this object contains a zero value. |
| ifInOctets (1.3.6.1.2.1.2.2.1.10) | read-only | No | As per MIB |
| ifInUcastPkts (1.3.6.1.2.1.2.2.1.11) | read-only | No | As per MIB |
| ifInNUcastPkts (1.3.6.1.2.1.2.2.1.12) | read-only | No | As per MIB |
| ifInErrors (1.3.6.1.2.1.2.2.1.14) | read-only | No | As per MIB |
| ifInUnknownProtos (1.3.6.1.2.1.2.2.1.15) | read-only | No | As per MIB |
| ifOutOctets (1.3.6.1.2.1.2.2.1.16) | read-only | No | As per MIB |
| ifOutUcastPkts (1.3.6.1.2.1.2.2.1.17) | read-only | No | As per MIB |
| ifOutNUcastPkts (1.3.6.1.2.1.2.2.1.18) | read-only | No | As per MIB |
| ifOutDiscards (1.3.6.1.2.1.2.2.1.19) | read-only | No | As per MIB |
| ifOutErrors (1.3.6.1.2.1.2.2.1.20) | read-only | No | As per MIB |
| ifOutQLen (1.3.6.1.2.1.2.2.1.21) | read-only | No | As per MIB |
| ifSpecific (1.3.6.1.2.1.2.2.1.22) | read-only | No | Not supported. |

## Address Translation Group(at)

This group is fully supported.

### atTable

OID of this table is : 1.3.6.1.2.1.3.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| atIfIndex (1.3.6.1.2.1.3.1.1.1) | read-write | Current | Only support read operation.  The value of static arp entries is 0 |
| atPhysAddress (1.3.6.1.2.1.3.1.1.2) | read-write | Current | “Write” just referenced means to create static arp entries,but does not support to modify existing arp entries except atPhysAddress |
| atNetAddress (1.3.6.1.2.1.3.1.1.3) | read-write | Current | Only support read operation |

## IP Group

The following objects will be supported:

### Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipForwarding (1.3.6.1.2.1.4.1) | read-write | Current | As per MIB |
| ipDefaultTTL (1.3.6.1.2.1.4.2) | read-write | No | Range from 1 to 255 |
| ipInReceives (1.3.6.1.2.1.4.3) | read-only | No | As per MIB |
| ipInHdrErrors (1.3.6.1.2.1.4.4) | read-only | No | As per MIB |
| ipInAddrErrors (1.3.6.1.2.1.4.5) | read-only | No | As per MIB |
| ipForwDatagrams (1.3.6.1.2.1.4.6) | read-only | No | As per MIB |
| ipInUnknownProtos (1.3.6.1.2.1.4.7) | read-only | No | As per MIB |
| ipInDiscards (1.3.6.1.2.1.4.8) | read-only | No | As per MIB |
| ipInDelivers (1.3.6.1.2.1.4.9) | read-only | No | As per MIB |
| ipOutRequests (1.3.6.1.2.1.4.10) | read-only | No | As per MIB |
| ipOutDiscards (1.3.6.1.2.1.4.11) | read-only | No | As per MIB |
| ipOutNoRoutes (1.3.6.1.2.1.4.12) | read-only | No | As per MIB |
| ipReasmTimeout (1.3.6.1.2.1.4.13) | read-only | No | As per MIB |
| ipReasmReqds (1.3.6.1.2.1.4.14) | read-only | No | As per MIB |
| ipReasmOKs (1.3.6.1.2.1.4.15) | read-only | No | As per MIB |
| ipReasmFails (1.3.6.1.2.1.4.16) | read-only | No | As per MIB |
| ipFragOKs (1.3.6.1.2.1.4.17) | read-only | No | As per MIB |
| ipFragFails (1.3.6.1.2.1.4.18) | read-only | No | As per MIB |
| ipFragCreates (1.3.6.1.2.1.4.19) | read-only | No | As per MIB |
| ipRoutingDiscards (1.3.6.1.2.1.4.23) | read-only | No | As per MIB |
| ipv6IpForwarding (1.3.6.1.2.1.4.25) | read-write | No | Only support read operation |
| ipv6IpDefaultHopLimit (1.3.6.1.2.1.4.26) | read-write | No | Only support read operation |
| ipv4InterfaceTableLastChange (1.3.6.1.2.1.4.27) | read-only | No | Not supported |
| ipv6InterfaceTableLastChange (1.3.6.1.2.1.4.29) | read-only | No | Not supported |
| ipIfStatsTableLastChange (1.3.6.1.2.1.4.31.2) | read-only | No | Not supported |
| ipAddressSpinLock (1.3.6.1.2.1.4.33) | read-write | No | Not supported |
| ipv6RouterAdvertSpinLock (1.3.6.1.2.1.4.38) | read-write | No | Not supported |

### ipAddrTable

OID of this table is : 1.3.6.1.2.1.4.20

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipAdEntAddr (1.3.6.1.2.1.4.20.1.1) | read-only | Current | As per MIB |
| ipAdEntIfIndex (1.3.6.1.2.1.4.20.1.2) | read-only | Current | As per MIB |
| ipAdEntNetMask (1.3.6.1.2.1.4.20.1.3) | read-only | Current | As per MIB |
| ipAdEntBcastAddr (1.3.6.1.2.1.4.20.1.4) | read-only | Current | As per MIB |
| ipAdEntReasmMaxSize (1.3.6.1.2.1.4.20.1.5) | read-only | Current | As per MIB |

### ipRouteTable （support 32 bits mask）

OID of this table is : 1.3.6.1.2.1.4.21

Note: 1) The ipRouteTable can get only one of the equal-cost routes.

2) The ipRouteTable can get only one of the routes with same destination and different mask.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipRouteDest (1.3.6.1.2.1.4.21.1.1) | read-write | No | Only support read operation |
| ipRouteIfIndex (1.3.6.1.2.1.4.21.1.2) | read-write | No | Only support read operation |
| ipRouteMetric1 (1.3.6.1.2.1.4.21.1.3) | read-write | No | Only support read operation |
| ipRouteMetric2 (1.3.6.1.2.1.4.21.1.4) | read-write | No | Only support read operation |
| ipRouteMetric3 (1.3.6.1.2.1.4.21.1.5) | read-write | No | Only support read operation |
| ipRouteMetric4 (1.3.6.1.2.1.4.21.1.6) | read-write | No | Only support read operation |
| ipRouteNextHop (1.3.6.1.2.1.4.21.1.7) | read-write | No | Only support read operation |
| ipRouteType (1.3.6.1.2.1.4.21.1.8) | read-write | No | Only support read operation |
| ipRouteProto (1.3.6.1.2.1.4.21.1.9) | read-only | No | As per MIB |
| ipRouteAge (1.3.6.1.2.1.4.21.1.10) | read-write | No | Only support read operation |
| ipRouteMask (1.3.6.1.2.1.4.21.1.11) | read-write | No | Only support read operation |
| ipRouteMetric5 (1.3.6.1.2.1.4.21.1.12) | read-write | No | Only support read operation |
| ipRouteInfo (1.3.6.1.2.1.4.21.1.13) | read-only | No | As per MIB |

### ipv6InterfaceTable

OID of this table is : 1.3.6.1.2.1.4.30

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipv6InterfaceIfIndex (1.3.6.1.2.1.4.30.1.1) | not-accessible | No | As per MIB |
| ipv6InterfaceReasmMaxSize (1.3.6.1.2.1.4.30.1.2) | read-only | No | As per MIB |
| ipv6InterfaceIdentifier (1.3.6.1.2.1.4.30.1.3) | read-only | No | As per MIB |
| ipv6InterfaceEnableStatus (1.3.6.1.2.1.4.30.1.5) | read-write | No | Only support read operation |
| ipv6InterfaceReachableTime (1.3.6.1.2.1.4.30.1.6) | read-only | No | As per MIB |
| ipv6InterfaceRetransmitTime (1.3.6.1.2.1.4.30.1.7) | read-only | No | As per MIB |
| ipv6InterfaceForwarding (1.3.6.1.2.1.4.30.1.8) | read-write | No | Only support read operation |

### ipSystemStatsTable

OID of this table is : 1.3.6.1.2.1.4.31.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipSystemStatsIPVersion (1.3.6.1.2.1.4.31.1.1.1) | not-accessible | No | Only support ipv6(2) |
| ipSystemStatsInReceives (1.3.6.1.2.1.4.31.1.1.3) | read-only | No | As per MIB |
| ipSystemStatsHCInReceives (1.3.6.1.2.1.4.31.1.1.4) | read-only | No | As per MIB |
| ipSystemStatsInOctets (1.3.6.1.2.1.4.31.1.1.5) | read-only | No | Not supported |
| ipSystemStatsHCInOctets (1.3.6.1.2.1.4.31.1.1.6) | read-only | No | Not supported |
| ipSystemStatsInHdrErrors (1.3.6.1.2.1.4.31.1.1.7) | read-only | No | As per MIB |
| ipSystemStatsInNoRoutes (1.3.6.1.2.1.4.31.1.1.8) | read-only | No | As per MIB |
| ipSystemStatsInAddrErrors (1.3.6.1.2.1.4.31.1.1.9) | read-only | No | As per MIB |
| ipSystemStatsInUnknownProtos (1.3.6.1.2.1.4.31.1.1.10) | read-only | No | As per MIB |
| ipSystemStatsInTruncatedPkts (1.3.6.1.2.1.4.31.1.1.11) | read-only | No | Not supported |
| ipSystemStatsInForwDatagrams (1.3.6.1.2.1.4.31.1.1.12) | read-only | No | As per MIB |
| ipSystemStatsHCInForwDatagrams (1.3.6.1.2.1.4.31.1.1.13) | read-only | No | As per MIB |
| ipSystemStatsReasmReqds (1.3.6.1.2.1.4.31.1.1.14) | read-only | No | As per MIB |
| ipSystemStatsReasmOKs (1.3.6.1.2.1.4.31.1.1.15) | read-only | No | As per MIB |
| ipSystemStatsReasmFails (1.3.6.1.2.1.4.31.1.1.16) | read-only | No | As per MIB |
| ipSystemStatsInDiscards (1.3.6.1.2.1.4.31.1.1.17) | read-only | No | As per MIB |
| ipSystemStatsInDelivers (1.3.6.1.2.1.4.31.1.1.18) | read-only | No | As per MIB |
| ipSystemStatsHCInDelivers (1.3.6.1.2.1.4.31.1.1.19) | read-only | No | Not supported |
| ipSystemStatsOutRequests (1.3.6.1.2.1.4.31.1.1.20) | read-only | No | As per MIB |
| ipSystemStatsHCOutRequests (1.3.6.1.2.1.4.31.1.1.21) | read-only | No | Not supported |
| ipSystemStatsOutNoRoutes (1.3.6.1.2.1.4.31.1.1.22) | read-only | No | As per MIB |
| ipSystemStatsOutForwDatagrams (1.3.6.1.2.1.4.31.1.1.23) | read-only | No | As per MIB |
| ipSystemStatsHCOutForwDatagrams (1.3.6.1.2.1.4.31.1.1.24) | read-only | No | As per MIB |
| ipSystemStatsOutDiscards (1.3.6.1.2.1.4.31.1.1.25) | read-only | No | As per MIB |
| ipSystemStatsOutFragReqds (1.3.6.1.2.1.4.31.1.1.26) | read-only | No | As per MIB |
| ipSystemStatsOutFragOKs (1.3.6.1.2.1.4.31.1.1.27) | read-only | No | As per MIB |
| ipSystemStatsOutFragFails (1.3.6.1.2.1.4.31.1.1.28) | read-only | No | As per MIB |
| ipSystemStatsOutFragCreates (1.3.6.1.2.1.4.31.1.1.29) | read-only | No | As per MIB |
| ipSystemStatsOutTransmits (1.3.6.1.2.1.4.31.1.1.30) | read-only | No | As per MIB |
| ipSystemStatsHCOutTransmits (1.3.6.1.2.1.4.31.1.1.31) | read-only | No | As per MIB |
| ipSystemStatsOutOctets (1.3.6.1.2.1.4.31.1.1.32) | read-only | No | Not supported |
| ipSystemStatsHCOutOctets (1.3.6.1.2.1.4.31.1.1.33) | read-only | No | Not supported |
| ipSystemStatsInMcastPkts (1.3.6.1.2.1.4.31.1.1.34) | read-only | No | Not supported |
| ipSystemStatsHCInMcastPkts (1.3.6.1.2.1.4.31.1.1.35) | read-only | No | Not supported |
| ipSystemStatsInMcastOctets (1.3.6.1.2.1.4.31.1.1.36) | read-only | No | Not supported |
| ipSystemStatsHCInMcastOctets (1.3.6.1.2.1.4.31.1.1.37) | read-only | No | Not supported |
| ipSystemStatsOutMcastPkts (1.3.6.1.2.1.4.31.1.1.38) | read-only | No | Not supported |
| ipSystemStatsHCOutMcastPkts (1.3.6.1.2.1.4.31.1.1.39) | read-only | No | Not supported |
| ipSystemStatsOutMcastOctets (1.3.6.1.2.1.4.31.1.1.40) | read-only | No | Not supported |
| ipSystemStatsHCOutMcastOctets (1.3.6.1.2.1.4.31.1.1.41) | read-only | No | Not supported |
| ipSystemStatsInBcastPkts (1.3.6.1.2.1.4.31.1.1.42) | read-only | No | Not supported |
| ipSystemStatsHCInBcastPkts (1.3.6.1.2.1.4.31.1.1.43) | read-only | No | Not supported |
| ipSystemStatsOutBcastPkts (1.3.6.1.2.1.4.31.1.1.44) | read-only | No | Not supported |
| ipSystemStatsHCOutBcastPkts (1.3.6.1.2.1.4.31.1.1.45) | read-only | No | Not supported |
| ipSystemStatsDiscontinuityTime (1.3.6.1.2.1.4.31.1.1.46) | read-only | No | Not supported |
| ipSystemStatsRefreshRate (1.3.6.1.2.1.4.31.1.1.47) | read-only | No | Not supported |

### ipIfStatsTable

OID of this table is : 1.3.6.1.2.1.4.31.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipIfStatsIPVersion (1.3.6.1.2.1.4.31.3.1.1) | not-accessible | No | Only support ipv6(2) |
| ipIfStatsIfIndex (1.3.6.1.2.1.4.31.3.1.2) | not-accessible | No | As per MIB |
| ipIfStatsInReceives (1.3.6.1.2.1.4.31.3.1.3) | read-only | No | Not supported |
| ipIfStatsHCInReceives (1.3.6.1.2.1.4.31.3.1.4) | read-only | No | Not supported |
| ipIfStatsInOctets (1.3.6.1.2.1.4.31.3.1.5) | read-only | No | Not supported |
| ipIfStatsHCInOctets (1.3.6.1.2.1.4.31.3.1.6) | read-only | No | Not supported |
| ipIfStatsInHdrErrors (1.3.6.1.2.1.4.31.3.1.7) | read-only | No | As per MIB |
| ipIfStatsInNoRoutes (1.3.6.1.2.1.4.31.3.1.8) | read-only | No | As per MIB |
| ipIfStatsInAddrErrors (1.3.6.1.2.1.4.31.3.1.9) | read-only | No | As per MIB |
| ipIfStatsInUnknownProtos (1.3.6.1.2.1.4.31.3.1.10) | read-only | No | As per MIB |
| ipIfStatsInTruncatedPkts (1.3.6.1.2.1.4.31.3.1.11) | read-only | No | Not supported |
| ipIfStatsInForwDatagrams (1.3.6.1.2.1.4.31.3.1.12) | read-only | No | Not supported |
| ipIfStatsHCInForwDatagrams (1.3.6.1.2.1.4.31.3.1.13) | read-only | No | Not supported |
| ipIfStatsReasmReqds (1.3.6.1.2.1.4.31.3.1.14) | read-only | No | As per MIB |
| ipIfStatsReasmOKs (1.3.6.1.2.1.4.31.3.1.15) | read-only | No | As per MIB |
| ipIfStatsReasmFails (1.3.6.1.2.1.4.31.3.1.16) | read-only | No | As per MIB |
| ipIfStatsInDiscards (1.3.6.1.2.1.4.31.3.1.17) | read-only | No | As per MIB |
| ipIfStatsInDelivers (1.3.6.1.2.1.4.31.3.1.18) | read-only | No | As per MIB |
| ipIfStatsHCInDelivers (1.3.6.1.2.1.4.31.3.1.19) | read-only | No | Not supported |
| ipIfStatsOutRequests (1.3.6.1.2.1.4.31.3.1.20) | read-only | No | As per MIB |
| ipIfStatsHCOutRequests (1.3.6.1.2.1.4.31.3.1.21) | read-only | No | Not supported |
| ipIfStatsOutForwDatagrams (1.3.6.1.2.1.4.31.3.1.23) | read-only | No | Not supported |
| ipIfStatsHCOutForwDatagrams (1.3.6.1.2.1.4.31.3.1.24) | read-only | No | Not supported |
| ipIfStatsOutDiscards (1.3.6.1.2.1.4.31.3.1.25) | read-only | No | As per MIB |
| ipIfStatsOutFragReqds (1.3.6.1.2.1.4.31.3.1.26) | read-only | No | As per MIB |
| ipIfStatsOutFragOKs (1.3.6.1.2.1.4.31.3.1.27) | read-only | No | As per MIB |
| ipIfStatsOutFragFails (1.3.6.1.2.1.4.31.3.1.28) | read-only | No | As per MIB |
| ipIfStatsOutFragCreates (1.3.6.1.2.1.4.31.3.1.29) | read-only | No | As per MIB |
| ipIfStatsOutTransmits (1.3.6.1.2.1.4.31.3.1.30) | read-only | No | Not supported |
| ipIfStatsHCOutTransmits (1.3.6.1.2.1.4.31.3.1.31) | read-only | No | Not supported |
| ipIfStatsOutOctets (1.3.6.1.2.1.4.31.3.1.32) | read-only | No | Not supported |
| ipIfStatsHCOutOctets (1.3.6.1.2.1.4.31.3.1.33) | read-only | No | Not supported |
| ipIfStatsInMcastPkts (1.3.6.1.2.1.4.31.3.1.34) | read-only | No | Not supported |
| ipIfStatsHCInMcastPkts (1.3.6.1.2.1.4.31.3.1.35) | read-only | No | Not supported |
| ipIfStatsInMcastOctets (1.3.6.1.2.1.4.31.3.1.36) | read-only | No | Not supported |
| ipIfStatsHCInMcastOctets (1.3.6.1.2.1.4.31.3.1.37) | read-only | No | Not supported |
| ipIfStatsOutMcastPkts (1.3.6.1.2.1.4.31.3.1.38) | read-only | No | Not supported |
| ipIfStatsHCOutMcastPkts (1.3.6.1.2.1.4.31.3.1.39) | read-only | No | Not supported |
| ipIfStatsOutMcastOctets (1.3.6.1.2.1.4.31.3.1.40) | read-only | No | Not supported |
| ipIfStatsHCOutMcastOctets (1.3.6.1.2.1.4.31.3.1.41) | read-only | No | Not supported |
| ipIfStatsInBcastPkts (1.3.6.1.2.1.4.31.3.1.42) | read-only | No | Not supported |
| ipIfStatsHCInBcastPkts (1.3.6.1.2.1.4.31.3.1.43) | read-only | No | Not supported |
| ipIfStatsOutBcastPkts (1.3.6.1.2.1.4.31.3.1.44) | read-only | No | Not supported |
| ipIfStatsHCOutBcastPkts (1.3.6.1.2.1.4.31.3.1.45) | read-only | No | Not supported |
| ipIfStatsDiscontinuityTime (1.3.6.1.2.1.4.31.3.1.46) | read-only | No | Not supported |
| ipIfStatsRefreshRate (1.3.6.1.2.1.4.31.3.1.47) | read-only | No | Not supported |

### ipAddressPrefixTable

OID of this table is : 1.3.6.1.2.1.4.32

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipAddressPrefixIfIndex (1.3.6.1.2.1.4.32.1.1) | not-accessible | No | As per MIB |
| ipAddressPrefixType (1.3.6.1.2.1.4.32.1.2) | not-accessible | No | Only support ipv6(2) and ipv6z(4) |
| ipAddressPrefixPrefix (1.3.6.1.2.1.4.32.1.3) | not-accessible | No | As per MIB |
| ipAddressPrefixLength (1.3.6.1.2.1.4.32.1.4) | not-accessible | No | As per MIB |
| ipAddressPrefixOrigin (1.3.6.1.2.1.4.32.1.5) | read-only | No | As per MIB |
| ipAddressPrefixOnLinkFlag (1.3.6.1.2.1.4.32.1.6) | read-only | No | As per MIB |
| ipAddressPrefixAutonomousFlag (1.3.6.1.2.1.4.32.1.7) | read-only | No | As per MIB |
| ipAddressPrefixAdvPreferredLifetime (1.3.6.1.2.1.4.32.1.8) | read-only | No | As per MIB |
| ipAddressPrefixAdvValidLifetime (1.3.6.1.2.1.4.32.1.9) | read-only | No | As per MIB |

### ipAddressTable

OID of this table is : 1.3.6.1.2.1.4.34

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipAddressAddrType (1.3.6.1.2.1.4.34.1.1) | not-accessible | No | Only support ipv6(2) and ipv6z(4) |
| ipAddressAddr (1.3.6.1.2.1.4.34.1.2) | not-accessible | No | As per MIB |
| ipAddressIfIndex (1.3.6.1.2.1.4.34.1.3) | read-create | No | Only support read operation |
| ipAddressType (1.3.6.1.2.1.4.34.1.4) | read-create | No | Only support read operation |
| ipAddressPrefix (1.3.6.1.2.1.4.34.1.5) | read-only | No | As per MIB |
| ipAddressOrigin (1.3.6.1.2.1.4.34.1.6) | read-only | No | As per MIB |
| ipAddressStatus (1.3.6.1.2.1.4.34.1.7) | read-create | No | Only support read operation |
| ipAddressCreated (1.3.6.1.2.1.4.34.1.8) | read-only | No | As per MIB |
| ipAddressLastChanged (1.3.6.1.2.1.4.34.1.9) | read-only | No | As per MIB |
| ipAddressRowStatus (1.3.6.1.2.1.4.34.1.10) | read-create | No | Only support read operation |
| ipAddressStorageType (1.3.6.1.2.1.4.34.1.11) | read-create | No | Only support read operation |

### ipNetToPhysicalTable

OID of this table is : 1.3.6.1.2.1.4.35

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipNetToPhysicalIfIndex (1.3.6.1.2.1.4.35.1.1) | not-accessible | No | As per MIB |
| ipNetToPhysicalNetAddressType (1.3.6.1.2.1.4.35.1.2) | not-accessible | No | Only support ipv6(2),ipv6z(4) |
| ipNetToPhysicalNetAddress (1.3.6.1.2.1.4.35.1.3) | not-accessible | No | As per MIB |
| ipNetToPhysicalPhysAddress (1.3.6.1.2.1.4.35.1.4) | read-create | No | Only support read operation |
| ipNetToPhysicalLastUpdated (1.3.6.1.2.1.4.35.1.5) | read-only | No | As per MIB |
| ipNetToPhysicalType (1.3.6.1.2.1.4.35.1.6) | read-create | No | Only support read operation |
| ipNetToPhysicalState (1.3.6.1.2.1.4.35.1.7) | read-only | No | As per MIB |
| ipNetToPhysicalRowStatus (1.3.6.1.2.1.4.35.1.8) | read-create | No | Only support read operation |

### ipv6ScopeZoneIndexTable

OID of this table is : 1.3.6.1.2.1.4.36

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipv6ScopeZoneIndexIfIndex (1.3.6.1.2.1.4.36.1.1) | not-accessible | No | As per MIB |
| ipv6ScopeZoneIndexLinkLocal (1.3.6.1.2.1.4.36.1.2) | read-only | No | As per MIB |
| ipv6ScopeZoneIndex3 (1.3.6.1.2.1.4.36.1.3) | read-only | No | Not supported |
| ipv6ScopeZoneIndexAdminLocal (1.3.6.1.2.1.4.36.1.4) | read-only | No | Not supported |
| ipv6ScopeZoneIndexSiteLocal (1.3.6.1.2.1.4.36.1.5) | read-only | No | Not supported |
| ipv6ScopeZoneIndex6 (1.3.6.1.2.1.4.36.1.6) | read-only | No | Not supported |
| ipv6ScopeZoneIndex7 (1.3.6.1.2.1.4.36.1.7) | read-only | No | Not supported |
| ipv6ScopeZoneIndexOrganizationLocal (1.3.6.1.2.1.4.36.1.8) | read-only | No | Not supported |
| ipv6ScopeZoneIndex9 (1.3.6.1.2.1.4.36.1.9) | read-only | No | Not supported |
| ipv6ScopeZoneIndexA (1.3.6.1.2.1.4.36.1.10) | read-only | No | Not supported |
| ipv6ScopeZoneIndexB (1.3.6.1.2.1.4.36.1.11) | read-only | No | Not supported |
| ipv6ScopeZoneIndexC (1.3.6.1.2.1.4.36.1.12) | read-only | No | Not supported |
| ipv6ScopeZoneIndexD (1.3.6.1.2.1.4.36.1.13) | read-only | No | Not supported |

### ipDefaultRouterTable

OID of this table is : 1.3.6.1.2.1.4.37

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipDefaultRouterAddressType (1.3.6.1.2.1.4.37.1.1) | not-accessible | No | Only support ipv6(2) and ipv6z(4) |
| ipDefaultRouterAddress (1.3.6.1.2.1.4.37.1.2) | not-accessible | No | As per MIB |
| ipDefaultRouterIfIndex (1.3.6.1.2.1.4.37.1.3) | not-accessible | No | As per MIB |
| ipDefaultRouterLifetime (1.3.6.1.2.1.4.37.1.4) | read-only | No | As per MIB |
| ipDefaultRouterPreference (1.3.6.1.2.1.4.37.1.5) | read-only | No | As per MIB |

### ipv6RouterAdvertTable

OID of this table is : 1.3.6.1.2.1.4.39

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipv6RouterAdvertIfIndex (1.3.6.1.2.1.4.39.1.1) | not-accessible | No | As per MIB |
| ipv6RouterAdvertSendAdverts (1.3.6.1.2.1.4.39.1.2) | read-create | No | Only support read operation |
| ipv6RouterAdvertMaxInterval (1.3.6.1.2.1.4.39.1.3) | read-create | No | Only support read operation |
| ipv6RouterAdvertMinInterval (1.3.6.1.2.1.4.39.1.4) | read-create | No | Only support read operation |
| ipv6RouterAdvertManagedFlag (1.3.6.1.2.1.4.39.1.5) | read-create | No | Only support read operation |
| ipv6RouterAdvertOtherConfigFlag (1.3.6.1.2.1.4.39.1.6) | read-create | No | Only support read operation |
| ipv6RouterAdvertLinkMTU (1.3.6.1.2.1.4.39.1.7) | read-create | No | Only support read operation |
| ipv6RouterAdvertReachableTime (1.3.6.1.2.1.4.39.1.8) | read-create | No | Only support read operation |
| ipv6RouterAdvertRetransmitTime (1.3.6.1.2.1.4.39.1.9) | read-create | No | Only support read operation |
| ipv6RouterAdvertCurHopLimit (1.3.6.1.2.1.4.39.1.10) | read-create | No | Only support read operation |
| ipv6RouterAdvertDefaultLifetime (1.3.6.1.2.1.4.39.1.11) | read-create | No | Only support read operation |
| ipv6RouterAdvertRowStatus (1.3.6.1.2.1.4.39.1.12) | read-create | No | Only support read operation |

## ICMP Group

### Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| icmpInMsgs (1.3.6.1.2.1.5.1) | read-only | No | As per MIB |
| icmpInErrors (1.3.6.1.2.1.5.2) | read-only | No | As per MIB |
| icmpInDestUnreachs (1.3.6.1.2.1.5.3) | read-only | No | As per MIB |
| icmpInTimeExcds (1.3.6.1.2.1.5.4) | read-only | No | As per MIB |
| icmpInParmProbs (1.3.6.1.2.1.5.5) | read-only | No | As per MIB |
| icmpInSrcQuenchs (1.3.6.1.2.1.5.6) | read-only | No | As per MIB |
| icmpInRedirects (1.3.6.1.2.1.5.7) | read-only | No | As per MIB |
| icmpInEchos (1.3.6.1.2.1.5.8) | read-only | No | As per MIB |
| icmpInEchoReps (1.3.6.1.2.1.5.9) | read-only | No | As per MIB |
| icmpInTimestamps (1.3.6.1.2.1.5.10) | read-only | No | As per MIB |
| icmpInTimestampReps (1.3.6.1.2.1.5.11) | read-only | No | As per MIB |
| icmpInAddrMasks (1.3.6.1.2.1.5.12) | read-only | No | As per MIB |
| icmpInAddrMaskReps (1.3.6.1.2.1.5.13) | read-only | No | As per MIB |
| icmpOutMsgs (1.3.6.1.2.1.5.14) | read-only | No | As per MIB |
| icmpOutErrors (1.3.6.1.2.1.5.15) | read-only | No | As per MIB |
| icmpOutDestUnreachs (1.3.6.1.2.1.5.16) | read-only | No | As per MIB |
| icmpOutTimeExcds (1.3.6.1.2.1.5.17) | read-only | No | As per MIB |
| icmpOutParmProbs (1.3.6.1.2.1.5.18) | read-only | No | As per MIB |
| icmpOutSrcQuenchs (1.3.6.1.2.1.5.19) | read-only | No | Not supported |
| icmpOutRedirects (1.3.6.1.2.1.5.20) | read-only | No | As per MIB |
| icmpOutEchos (1.3.6.1.2.1.5.21) | read-only | No | As per MIB |
| icmpOutEchoReps (1.3.6.1.2.1.5.22) | read-only | No | As per MIB |
| icmpOutTimestamps (1.3.6.1.2.1.5.23) | read-only | No | Not supported |
| icmpOutTimestampReps (1.3.6.1.2.1.5.24) | read-only | No | As per MIB |
| icmpOutAddrMasks (1.3.6.1.2.1.5.25) | read-only | No | Not supported |
| icmpOutAddrMaskReps (1.3.6.1.2.1.5.26) | read-only | No | As per MIB |

### icmpStatsTable

OID of this table is : 1.3.6.1.2.1.5.29

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| icmpStatsIPVersion (1.3.6.1.2.1.5.29.1.1) | not-accessible | No | Only support ipv6(2) |
| icmpStatsInMsgs (1.3.6.1.2.1.5.29.1.2) | read-only | No | As per MIB |
| icmpStatsInErrors (1.3.6.1.2.1.5.29.1.3) | read-only | No | As per MIB |
| icmpStatsOutMsgs (1.3.6.1.2.1.5.29.1.4) | read-only | No | As per MIB |
| icmpStatsOutErrors (1.3.6.1.2.1.5.29.1.5) | read-only | No | As per MIB |

### icmpMsgStatsTable

OID of this table is : 1.3.6.1.2.1.5.30

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| icmpMsgStatsIPVersion (1.3.6.1.2.1.5.30.1.1) | not-accessible | No | Only support ipv6(2) |
| icmpMsgStatsType (1.3.6.1.2.1.5.30.1.2) | not-accessible | No | As per MIB |
| icmpMsgStatsInPkts (1.3.6.1.2.1.5.30.1.3) | read-only | No | As per MIB |
| icmpMsgStatsOutPkts (1.3.6.1.2.1.5.30.1.4) | read-only | No | As per MIB |

## TCP Group

TCP Group in RFC1213-MIB is updated by RFC4022-MIB.

### Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| tcpRtoAlgorithm (1.3.6.1.2.1.6.1) | read-only | No | As per MIB |
| tcpRtoMin (1.3.6.1.2.1.6.2) | read-only | No | As per MIB |
| tcpRtoMax (1.3.6.1.2.1.6.3) | read-only | No | As per MIB |
| tcpMaxConn (1.3.6.1.2.1.6.4) | read-only | No | As per MIB |
| tcpActiveOpens (1.3.6.1.2.1.6.5) | read-only | No | As per MIB |
| tcpPassiveOpens (1.3.6.1.2.1.6.6) | read-only | No | As per MIB |
| tcpAttemptFails (1.3.6.1.2.1.6.7) | read-only | No | As per MIB |
| tcpEstabResets (1.3.6.1.2.1.6.8) | read-only | No | As per MIB |
| tcpCurrEstab (1.3.6.1.2.1.6.9) | read-only | No | As per MIB |
| tcpInSegs (1.3.6.1.2.1.6.10) | read-only | No | As per MIB |
| tcpOutSegs (1.3.6.1.2.1.6.11) | read-only | No | As per MIB |
| tcpRetransSegs (1.3.6.1.2.1.6.12) | read-only | No | As per MIB |
| tcpInErrs (1.3.6.1.2.1.6.14) | read-only | No | As per MIB |
| tcpOutRsts (1.3.6.1.2.1.6.15) | read-only | No | As per MIB |
| tcpHCInSegs (1.3.6.1.2.1.6.17) | read-only | No | Not supported |
| tcpHCOutSegs (1.3.6.1.2.1.6.18) | read-only | No | Not supported |

### tcpConnTable

OID of this table is : 1.3.6.1.2.1.6.13

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| tcpConnState (1.3.6.1.2.1.6.13.1.1) | read-write | No | Not writable |
| tcpConnLocalAddress (1.3.6.1.2.1.6.13.1.2) | read-only | No | As per MIB |
| tcpConnLocalPort (1.3.6.1.2.1.6.13.1.3) | read-only | No | As per MIB |
| tcpConnRemAddress (1.3.6.1.2.1.6.13.1.4) | read-only | No | As per MIB |
| tcpConnRemPort (1.3.6.1.2.1.6.13.1.5) | read-only | No | As per MIB |

### tcpConnectionTable

OID of this table is : 1.3.6.1.2.1.6.19

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| tcpConnectionLocalAddressType (1.3.6.1.2.1.6.19.1.1) | not-accessible | No | Only support ipv6(2) and ipv6z(4) |
| tcpConnectionLocalAddress (1.3.6.1.2.1.6.19.1.2) | not-accessible | No | As per MIB |
| tcpConnectionLocalPort (1.3.6.1.2.1.6.19.1.3) | not-accessible | No | As per MIB |
| tcpConnectionRemAddressType (1.3.6.1.2.1.6.19.1.4) | not-accessible | No | Only support ipv6(2) and ipv6z(4) |
| tcpConnectionRemAddress (1.3.6.1.2.1.6.19.1.5) | not-accessible | No | As per MIB |
| tcpConnectionRemPort (1.3.6.1.2.1.6.19.1.6) | not-accessible | No | As per MIB |
| tcpConnectionState (1.3.6.1.2.1.6.19.1.7) | read-write | No | Only support read operation |
| tcpConnectionProcess (1.3.6.1.2.1.6.19.1.8) | read-only | No | As per MIB |

## UDP Group

UDP Group in RFC1213-MIB is updated by RFC4113-MIB.

### Scalar objects

A statistics collection for UDP group.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| udpInDatagrams (1.3.6.1.2.1.7.1) | read- only | No | As per MIB |
| udpNoPorts (1.3.6.1.2.1.7.2) | read-only | No | As per MIB |
| udpInErrors (1.3.6.1.2.1.7.3) | read-only | No | As per MIB |
| udpOutDatagrams (1.3.6.1.2.1.7.4) | read-only | No | As per MIB |

### udpTable

OID of this table is : 1.3.6.1.2.1.7.5

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| udpLocalAddress (1.3.6.1.2.1.7.5.1.1) | read-only | Current | As per MIB |
| udpLocalPort (1.3.6.1.2.1.7.5.1.2) | read-only | Current | As per MIB |

## snmp Group

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| snmpInPkts (1.3.6.1.2.1.11.1) | read-only | No | As per MIB |
| snmpOutPkts (1.3.6.1.2.1.11.2) | read-only | No | As per MIB |
| snmpInBadVersions (1.3.6.1.2.1.11.3) | read-only | No | As per MIB |
| snmpInBadCommunityNames (1.3.6.1.2.1.11.4) | read-only | No | As per MIB |
| snmpInBadCommunityUses (1.3.6.1.2.1.11.5) | read-only | No | As per MIB |
| snmpInASNParseErrs (1.3.6.1.2.1.11.6) | read-only | No | As per MIB |
| snmpInTooBigs (1.3.6.1.2.1.11.8) | read-only | No | The value is always 0. |
| snmpInNoSuchNames (1.3.6.1.2.1.11.9) | read-only | No | The value is always 0. |
| snmpInBadValues (1.3.6.1.2.1.11.10) | read-only | No | The value is always 0. |
| snmpInReadOnlys (1.3.6.1.2.1.11.11) | read-only | No | The value is always 0. |
| snmpInGenErrs (1.3.6.1.2.1.11.12) | read-only | No | The value is always 0. |
| snmpInTotalReqVars (1.3.6.1.2.1.11.13) | read-only | No | As per MIB |
| snmpInTotalSetVars (1.3.6.1.2.1.11.14) | read-only | No | As per MIB |
| snmpInGetRequests (1.3.6.1.2.1.11.15) | read-only | No | As per MIB |
| snmpInGetNexts (1.3.6.1.2.1.11.16) | read-only | No | As per MIB |
| snmpInSetRequests (1.3.6.1.2.1.11.17) | read-only | No | As per MIB |
| snmpInGetResponses (1.3.6.1.2.1.11.18) | read-only | No | Not supported |
| snmpInTraps (1.3.6.1.2.1.11.19) | read-only | No | Not supported |
| snmpOutTooBigs (1.3.6.1.2.1.11.20) | read-only | No | As per MIB |
| snmpOutNoSuchNames (1.3.6.1.2.1.11.21) | read-only | No | As per MIB |
| snmpOutBadValues (1.3.6.1.2.1.11.22) | read-only | No | As per MIB |
| snmpOutGenErrs (1.3.6.1.2.1.11.24) | read-only | No | As per MIB |
| snmpOutGetRequests (1.3.6.1.2.1.11.25) | read-only | No | As per MIB |
| snmpOutGetNexts (1.3.6.1.2.1.11.26) | read-only | No | As per MIB |
| snmpOutSetRequests (1.3.6.1.2.1.11.27) | read-only | No | As per MIB |
| snmpOutGetResponses (1.3.6.1.2.1.11.28) | read-only | No | As per MIB |
| snmpOutTraps (1.3.6.1.2.1.11.29) | read-only | No | As per MIB |
| snmpEnableAuthenTraps (1.3.6.1.2.1.11.30) | read-write | Current | The default value is enabled(1) |

## ARP MIB

### ipNetToMediaTable

OID of this table is : 1.3.6.1.2.1.4.22

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipNetToMediaIfIndex (1.3.6.1.2.1.4.22.1.1) | read-write | Current | Only support read operation  The value of static arp entries is 0 |
| ipNetToMediaPhysAddress (1.3.6.1.2.1.4.22.1.2) | read-write | Current | Only support read operation |
| ipNetToMediaNetAddress (1.3.6.1.2.1.4.22.1.3) | read-write | Current | Only support read operation |
| ipNetToMediaType (1.3.6.1.2.1.4.22.1.4) | read-write | Current | Only support read operation |

# RFC4022-MIB

RFC4022-MIB update the TCP Group in RFC1213-MIB.

TCP Group

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| tcpRtoAlgorithm (1.3.6.1.2.1.6.1) | read-only | No | As per MIB |
| tcpRtoMin (1.3.6.1.2.1.6.2) | read-only | No | As per MIB |
| tcpRtoMax (1.3.6.1.2.1.6.3) | read-only | No | As per MIB |
| tcpMaxConn (1.3.6.1.2.1.6.4) | read-only | No | As per MIB |
| tcpActiveOpens (1.3.6.1.2.1.6.5) | read-only | No | As per MIB |
| tcpPassiveOpens (1.3.6.1.2.1.6.6) | read-only | No | As per MIB |
| tcpAttemptFails (1.3.6.1.2.1.6.7) | read-only | No | As per MIB |
| tcpEstabResets (1.3.6.1.2.1.6.8) | read-only | No | As per MIB |
| tcpCurrEstab (1.3.6.1.2.1.6.9) | read-only | No | As per MIB |
| tcpInSegs (1.3.6.1.2.1.6.10) | read-only | No | As per MIB |
| tcpOutSegs (1.3.6.1.2.1.6.11) | read-only | No | As per MIB |
| tcpRetransSegs (1.3.6.1.2.1.6.12) | read-only | No | As per MIB |
| tcpInErrs (1.3.6.1.2.1.6.14) | read-only | No | As per MIB |
| tcpOutRsts (1.3.6.1.2.1.6.15) | read-only | No | As per MIB |
| tcpHCInSegs (1.3.6.1.2.1.6.17) | read-only | No | Not supported |
| tcpHCOutSegs (1.3.6.1.2.1.6.18) | read-only | No | Not supported |

## tcpConnTable

OID of this table is :1.3.6.1.2.1.6.13

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| tcpConnState (1.3.6.1.2.1.6.13.1.1) | read-write | No | Not writable |
| tcpConnLocalAddress (1.3.6.1.2.1.6.13.1.2) | read-only | No | As per MIB |
| tcpConnLocalPort (1.3.6.1.2.1.6.13.1.3) | read-only | No | As per MIB |
| tcpConnRemAddress (1.3.6.1.2.1.6.13.1.4) | read-only | No | As per MIB |
| tcpConnRemPort (1.3.6.1.2.1.6.13.1.5) | read-only | No | As per MIB |

## tcpConnectionTable

OID of this table is :1.3.6.1.2.1.6.19

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| tcpConnectionLocalAddressType (1.3.6.1.2.1.6.19.1.1) | not-accessible | No | Only support ipv6(2) and ipv6z(4) |
| tcpConnectionLocalAddress (1.3.6.1.2.1.6.19.1.2) | not-accessible | No | As per MIB |
| tcpConnectionLocalPort (1.3.6.1.2.1.6.19.1.3) | not-accessible | No | As per MIB |
| tcpConnectionRemAddressType (1.3.6.1.2.1.6.19.1.4) | not-accessible | No | Only support ipv6(2) and ipv6z(4) |
| tcpConnectionRemAddress (1.3.6.1.2.1.6.19.1.5) | not-accessible | No | As per MIB |
| tcpConnectionRemPort (1.3.6.1.2.1.6.19.1.6) | not-accessible | No | As per MIB |
| tcpConnectionState (1.3.6.1.2.1.6.19.1.7) | read-write | No | Only support read operation |
| tcpConnectionProcess (1.3.6.1.2.1.6.19.1.8) | read-only | No | As per MIB |

## tcpListenerTable

OID of this table is :1.3.6.1.2.1.6.20

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| tcpListenerLocalAddressType (1.3.6.1.2.1.6.20.1.1) | not-accessible | No | Only support ipv6(2) and ipv6z(4) |
| tcpListenerLocalAddress (1.3.6.1.2.1.6.20.1.2) | not-accessible | No | As per MIB |
| tcpListenerLocalPort (1.3.6.1.2.1.6.20.1.3) | not-accessible | No | As per MIB |
| tcpListenerProcess (1.3.6.1.2.1.6.20.1.4) | read-only | No | As per MIB |

# RFC4113-MIB

RFC4113-MIB update the UDP Group in RFC1213-MIB.

UDP Group{mib-2.7}

## Scalar objects

A statistics collection for UDP group.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| udpInDatagrams (1.3.6.1.2.1.7.1) | read- only | No | As per MIB |
| udpNoPorts (1.3.6.1.2.1.7.2) | read-only | No | As per MIB |
| udpInErrors (1.3.6.1.2.1.7.3) | read-only | No | As per MIB |
| udpOutDatagrams (1.3.6.1.2.1.7.4) | read-only | No | As per MIB |
| udpHCInDatagrams (1.3.6.1.2.1.7.8) | read-only | No | Not supported |
| udpHCOutDatagrams (1.3.6.1.2.1.7.9) | read-only | No | Not supported |

## udpTable

OID of this table is :1.3.6.1.2.1.7.5

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| udpLocalAddress (1.3.6.1.2.1.7.5.1.1) | read-only | Current | As per MIB |
| udpLocalPort (1.3.6.1.2.1.7.5.1.2) | read-only | Current | As per MIB |

## udpEndpointTable

OID of this table is :1.3.6.1.2.1.7.7

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| udpEndpointLocalAddressType (1.3.6.1.2.1.7.7.1.1) | not-accessible | No | Only support ipv6(2) and ipv6z(4) |
| udpEndpointLocalAddress (1.3.6.1.2.1.7.7.1.2) | not-accessible | No | As per MIB |
| udpEndpointLocalPort (1.3.6.1.2.1.7.7.1.3) | not-accessible | No | As per MIB |
| udpEndpointRemoteAddressType (1.3.6.1.2.1.7.7.1.4) | not-accessible | No | Only support ipv6(2) and ipv6z(4) |
| udpEndpointRemoteAddress (1.3.6.1.2.1.7.7.1.5) | not-accessible | No | As per MIB |
| udpEndpointRemotePort (1.3.6.1.2.1.7.7.1.6) | not-accessible | No | As per MIB |
| udpEndpointInstance (1.3.6.1.2.1.7.7.1.7) | not-accessible | No | As per MIB |
| udpEndpointProcess (1.3.6.1.2.1.7.7.1.8) | read-only | No | As per MIB |

# SNMP-FRAMEWORK-MIB

## Snmp Framework AdminSnmp Engine Group

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| snmpEngineID (1.3.6.1.6.3.10.2.1.1) | read-only | Current | As per MIB |
| snmpEngineBoots (1.3.6.1.6.3.10.2.1.2) | read-only | Current | As per MIB |
| snmpEngineTime (1.3.6.1.6.3.10.2.1.3) | read-only | No | As per MIB |
| snmpEngineMaxMessageSize (1.3.6.1.6.3.10.2.1.4) | read-only | Current | As per MIB |

## the allocation algorithm of snmpEngineID

OID of this table is :1.3.6.1.6.3.10.2.1.1

The snmpEngineID has a length of 12 octets:

The first four octets are set to the binary equivalent of the agent's SNMP management private enterprise number as assigned by the Internet Assigned Numbers Authority (IANA), and the very first bit is set to 1. For example, if H3C Networks has been assigned enterprises 25506, the first four octets would be assigned '800063A2'H.

For switches, the fifth octet is 3 indicates that the following is MAC address. The remaining six octets are the MAC address main board.

# SNMPv2-MIB

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| sysORLastChange (1.3.6.1.2.1.1.8) | read-only | No | Not supported |
| snmpTrapOID (1.3.6.1.6.3.1.1.4.1) | accessible-for-notify | No | As per MIB |
| snmpTrapEnterprise (1.3.6.1.6.3.1.1.4.3) | accessible-for-notify | No | As per MIB |
| snmpSetSerialNo (1.3.6.1.6.3.1.1.6.1) | read-write | No | As per MIB |

## snmp Group

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| snmpSilentDrops (1.3.6.1.2.1.11.31) | read-only | No | As per MIB |
| snmpProxyDrops (1.3.6.1.2.1.11.32) | read-only | No | The value is always 0 |

# SNMP-MPD-MIB

## snmpMPDStats

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| snmpUnknownSecurityModels (1.3.6.1.6.3.11.2.1.1) | read-only | No | As per MIB |
| snmpInvalidMsgs (1.3.6.1.6.3.11.2.1.2) | read-only | No | As per MIB |
| snmpUnknownPDUHandlers (1.3.6.1.6.3.11.2.1.3) | read-only | No | As per MIB |

# SNMP-NOTIFICATION-MIB

## snmpNotifyTable

OID of this table is :1.3.6.1.6.3.13.1.1

This table has only one instance.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| snmpNotifyName (1.3.6.1.6.3.13.1.1.1.1) | not-accessible | No | As per MIB |
| snmpNotifyTag (1.3.6.1.6.3.13.1.1.1.2) | read-only | Current | As per MIB |
| snmpNotifyType (1.3.6.1.6.3.13.1.1.1.3) | read-only | Current | As per MIB |
| snmpNotifyStorageType (1.3.6.1.6.3.13.1.1.1.4) | read-only | Current | As per MIB |
| snmpNotifyRowStatus (1.3.6.1.6.3.13.1.1.1.5) | read-only | Current | As per MIB |

# IF-MIB

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| IfNumber (1.3.6.1.2.1.2.1) | read-only | No | As per MIB |
| ifTableLastChange (1.3.6.1.2.1.31.1.5) | read-only | No | Not supported |
| ifStackLastChange (1.3.6.1.2.1.31.1.6) | read-only | No | Not supported |

## ifTable

OID of this table is :1.3.6.1.2.1.2.2

See ifTable in RFC1213-MIB

## ifXTable

OID of this table is :1.3.6.1.2.1.31.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ifName (1.3.6.1.2.1.31.1.1.1.1) | read-only | No | interface name, same as ifDescr in ifTable |
| ifInMulticastPkts (1.3.6.1.2.1.31.1.1.1.2) | read-only | No | As per MIB |
| ifInBroadcastPkts (1.3.6.1.2.1.31.1.1.1.3) | read-only | No | As per MIB |
| ifOutMulticastPkts (1.3.6.1.2.1.31.1.1.1.4) | read-only | No | As per MIB |
| ifOutBroadcastPkts (1.3.6.1.2.1.31.1.1.1.5) | read-only | No | As per MIB |
| ifHCInOctets (1.3.6.1.2.1.31.1.1.1.6) | read-only | No | As per MIB |
| ifHCInUcastPkts (1.3.6.1.2.1.31.1.1.1.7) | read-only | No | As per MIB |
| ifHCInMulticastPkts (1.3.6.1.2.1.31.1.1.1.8) | read-only | No | As per MIB |
| ifHCInBroadcastPkts (1.3.6.1.2.1.31.1.1.1.9) | read-only | No | As per MIB |
| ifHCOutOctets (1.3.6.1.2.1.31.1.1.1.10) | read-only | No | As per MIB |
| ifHCOutUcastPkts (1.3.6.1.2.1.31.1.1.1.11) | read-only | No | As per MIB |
| ifHCOutMulticastPkts (1.3.6.1.2.1.31.1.1.1.12) | read-only | No | As per MIB |
| ifHCOutBroadcastPkts (1.3.6.1.2.1.31.1.1.1.13) | read-only | No | As per MIB |
| ifLinkUpDownTrapEnable (1.3.6.1.2.1.31.1.1.1.14) | read-write | Current | As per MIB |
| ifHighSpeed (1.3.6.1.2.1.31.1.1.1.15) | read-only | No | As per MIB |
| ifPromiscuousMode (1.3.6.1.2.1.31.1.1.1.16) | read-write | No | It is only available for Ethernet (GigabitEthernet, Ten-GigabitEthernet) interface working at route mode. For others, only read is supported and the value is always 2, which means not supported. |
| ifConnectorPresent (1.3.6.1.2.1.31.1.1.1.17) | read-only | No | As per MIB |
| ifAlias (1.3.6.1.2.1.31.1.1.1.18) | read-write | Current | Spaces at the beginning or at the end of the ifAlias are not supported and will be removed. A string fully composed with spaces is not supported either. A null string inputted as ifAlias will be replaced with the whole name of the interface which is the default value of the ifAlias.  The max length of ifAlias MIB supports is 64, while the commandline supports 80. So if the length of ifAlias is larger than 64, only the former 64 letters are legal for MIB.  Default for each interface is “xxxx Interface”. xxxx is interface name. |
| ifCounterDiscontinuityTime (1.3.6.1.2.1.31.1.1.1.19) | read-only | No | As per MIB |

## ifTestTable

OID of this table is :1.3.6.1.2.1.31.1.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ifTestId (1.3.6.1.2.1.31.1.3.1.1) | read-write | No | As per mib |
| ifTestStatus (1.3.6.1.2.1.31.1.3.1.2) | read-write | No | As per mib |
| ifTestType (1.3.6.1.2.1.31.1.3.1.3) | read-write | No | Only supported noTest, testFullDuplexLoopBack |
| ifTestResult (1.3.6.1.2.1.31.1.3.1.4) | read-only | No | As per mib |
| ifTestCode (1.3.6.1.2.1.31.1.3.1.5) | read-only | No | The value is always testCodeUnknown(0.0) |
| ifTestOwner (1.3.6.1.2.1.31.1.3.1.6) | read-write | No | As per mib |

Note for ifTestTable:

At the same time, only one test can be in progress, the second test is rejected.

For distributed device, the result is holding on master board. If the device reboots, the test result is be lost.

The objects ifTestStatus, ifTestId, and ifTestOwner must be set together when ownership of the ifTestEntry is obtained successfully.

## ifRcvAddressTable

OID of this table is :1.3.6.1.2.1.31.1.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ifRcvAddressAddress (1.3.6.1.2.1.31.1.4.1.1) | not-accessible | No | Only support read operation. |
| ifRcvAddressStatus (1.3.6.1.2.1.31.1.4.1.2) | read-create | No | Only support read operation. |
| ifRcvAddressType (1.3.6.1.2.1.31.1.4.1.3) | read-create | No | Only support read operation. |

# ISIS-MIB

## isisSysObject

OID of this table is :1.3.6.1.2.1.138.1.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisSysVersion (1.3.6.1.2.1.138.1.1.1.1) | read-only | No | As per MIB |
| isisSysLevelType (1.3.6.1.2.1.138.1.1.1.2) | read-write | Current | Only support read operation |
| isisSysID (1.3.6.1.2.1.138.1.1.1.3) | read-write | Current | Only support read operation |
| isisSysMaxPathSplits (1.3.6.1.2.1.138.1.1.1.4) | read-write | Current | The range and the default value are product specific |
| isisSysMaxLSPGenInt (1.3.6.1.2.1.138.1.1.1.5) | read-write | Current | The value should be less than  isisSysMaxAge, but it should be at least 300 seconds less than isisSysMaxAge is not  implemented |
| isisSysPollESHelloRate (1.3.6.1.2.1.138.1.1.1.6) | read-write | No | Not supported |
| isisSysWaitTime (1.3.6.1.2.1.138.1.1.1.7) | read-write | No | Only support read operation |
| isisSysAdminState (1.3.6.1.2.1.138.1.1.1.8) | read-write | No | Only support read operation |
| isisSysL2toL1Leaking (1.3.6.1.2.1.138.1.1.1.9) | read-write | Current | As per MIB |
| isisSysMaxAge (1.3.6.1.2.1.138.1.1.1.10) | read-write | Current | The value should be greater than  isisSysMaxLSPGenInt, but it should be at least 300 seconds greater than  isisSysMaxLSPGenInt  (1.3.6.1.2.1.138.1.1.1.5) is not implemented |
| isisSysReceiveLSPBufferSize (1.3.6.1.2.1.138.1.1.1.11) | read-write | Current | The default value is 1497 |
| isisSysProtSupported (1.3.6.1.2.1.138.1.1.1.12) | read-only | No | When supporting IPv4&IPv6 or IPv6-only, return the value of ipv6(2) |
| isisSysNotificationEnable (1.3.6.1.2.1.138.1.1.1.13) | read-write | Current | As per MIB |

## isisManAreaAddrTable

OID of this table is :1.3.6.1.2.1.138.1.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisManAreaAddr (1.3.6.1.2.1.138.1.1.2.1.1) | not-accessible | No | AS per MIB |
| isisManAreaAddrExistState (1.3.6.1.2.1.138.1.1.2.1.2) | read-create | No | Only support read operation |

## isisAreaAddrTable

OID of this table is :1.3.6.1.2.1.138.1.1.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisAreaAddr (1.3.6.1.2.1.138.1.1.3.1.1) | read-only | No | AS per MIB |

## isisSummAddrTable

OID of this table is :1.3.6.1.2.1.138.1.1.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisSummAddressType (1.3.6.1.2.1.138.1.1.4.1.1) | not-accessible | No | As per MIB |
| isisSummAddress (1.3.6.1.2.1.138.1.1.4.1.2) | not-accessible | No | As per MIB |
| isisSummAddrPrefixLen (1.3.6.1.2.1.138.1.1.4.1.3) | not-accessible | No | As per MIB |
| isisSummAddrExistState (1.3.6.1.2.1.138.1.1.4.1.4) | read-create | No | Only support read operation |
| isisSummAddrMetric (1.3.6.1.2.1.138.1.1.4.1.5) | read-create | No | Not supported |
| isisSummAddrFullMetric (1.3.6.1.2.1.138.1.1.4.1.6) | read-create | No | Not supported |

## isisRouterTable

OID of this table is :1.3.6.1.2.1.138.1.1.6

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisRouterSysID (1.3.6.1.2.1.138.1.1.6.1.1) | not-accessible | No | As per MIB |
| isisRouterLevel (1.3.6.1.2.1.138.1.1.6.1.2) | not-accessible | No | As per MIB |
| isisRouterHostName (1.3.6.1.2.1.138.1.1.6.1.3) | read-only | No | As per MIB |
| isisRouterID (1.3.6.1.2.1.138.1.1.6.1.4) | read-only | No | As per MIB |

## isisSysLevelTable

OID of this table is :1.3.6.1.2.1.138.1.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisSysLevelIndex (1.3.6.1.2.1.138.1.2.1.1.1) | not-accessible | Current | As per MIB |
| isisSysLevelOrigLSPBuffSize (1.3.6.1.2.1.138.1.2.1.1.2) | read-write | Current | The default value is 1497 |
| isisSysLevelMinLSPGenInt (1.3.6.1.2.1.138.1.2.1.1.3) | read-write | Current | Range from 1 to 120  The default value is 2 |
| isisSysLevelState (1.3.6.1.2.1.138.1.2.1.1.4) | read-only | No | As per MIB |
| isisSysLevelSetOverload (1.3.6.1.2.1.138.1.2.1.1.5) | read-write | Current | As per MIB |
| isisSysLevelSetOverloadUntil (1.3.6.1.2.1.138.1.2.1.1.6) | read-write | Current | As per MIB |
| isisSysLevelMetricStyle (1.3.6.1.2.1.138.1.2.1.1.7) | read-write | Current | The value can’t be set as narrow(1) when the value of isisSysLevelTEEnabled is true(1) |
| isisSysLevelSPFConsiders (1.3.6.1.2.1.138.1.2.1.1.8) | read-write | No | Only support read operation  The default value is: both |
| isisSysLevelTEEnabled (1.3.6.1.2.1.138.1.2.1.1.9) | read-write | Current | The value can’t be set as true(1) when the value of isisSysLevelMetricStyle is narrow(1) |

## isisCirc

OID of this table is :1.3.6.1.2.1.138.1.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisNextCircIndex (1.3.6.1.2.1.138.1.3.1) | read-only | No | As per MIB |

## isisCircTable

OID of this table is :1.3.6.1.2.1.138.1.3.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisCircIndex (1.3.6.1.2.1.138.1.3.2.1.1) | not-accessible | No | As per MIB |
| isisCircIfIndex (1.3.6.1.2.1.138.1.3.2.1.2) | read-create | No | Only support read operation |
| isisCircAdminState (1.3.6.1.2.1.138.1.3.2.1.3) | read-create | No | Only support read operation  The value is always on(1) |
| isisCircExistState (1.3.6.1.2.1.138.1.3.2.1.4) | read-create | No | Only support read operation  The value is always active(1) |
| isisCircType (1.3.6.1.2.1.138.1.3.2.1.5) | read-create | Current | Only support read operation  Only support the value set { broadcast(1), ptToPt(2)} |
| isisCircExtDomain (1.3.6.1.2.1.138.1.3.2.1.6) | read-create | No | Not supported |
| isisCircLevelType (1.3.6.1.2.1.138.1.3.2.1.7) | read-create | Current | Only support read-write operation |
| isisCircPassiveCircuit (1.3.6.1.2.1.138.1.3.2.1.8) | read-create | Current | Only support read-write operation |
| isisCircMeshGroupEnabled (1.3.6.1.2.1.138.1.3.2.1.9) | read-create | Current | Only support read operation |
| isisCircMeshGroup (1.3.6.1.2.1.138.1.3.2.1.10) | read-create | Current | Only support read operation |
| isisCircSmallHellos (1.3.6.1.2.1.138.1.3.2.1.11) | read-create | Current | Only support read-write operation |
| isisCircLastUpTime (1.3.6.1.2.1.138.1.3.2.1.12) | read-only | No | As per MIB |
| isisCirc3WayEnabled (1.3.6.1.2.1.138.1.3.2.1.13) | read-create | No | Not supported |
| isisCircExtendedCircID (1.3.6.1.2.1.138.1.3.2.1.14) | read-create | No | Not supported |

## isisCircLevelTable

OID of this table is :1.3.6.1.2.1.138.1.4.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisCircLevelIndex (1.3.6.1.2.1.138.1.4.1.1.1) | not-accessible | No | As per MIB |
| isisCircLevelMetric (1.3.6.1.2.1.138.1.4.1.1.2) | read-write | Current | This node can be read or set only when the value of isisSysLevelMetricStyle is narrow (1) or both(3) |
| isisCircLevelWideMetric (1.3.6.1.2.1.138.1.4.1.1.3) | read-write | Current | This node can be read or set only when the value of isisSysLevelMetricStyle is wide (2) |
| isisCircLevelISPriority (1.3.6.1.2.1.138.1.4.1.1.4) | read-write | No | As per MIB |
| isisCircLevelIDOctet (1.3.6.1.2.1.138.1.4.1.1.5) | read-only | No | Not supported |
| isisCircLevelID (1.3.6.1.2.1.138.1.4.1.1.6) | read-only | No | Not supported |
| isisCircLevelDesIS (1.3.6.1.2.1.138.1.4.1.1.7) | read-only | No | As per MIB |
| isisCircLevelHelloMultiplier (1.3.6.1.2.1.138.1.4.1.1.8) | read-write | Current | Range from 3 to 100  The default value is 3 |
| isisCircLevelHelloTimer (1.3.6.1.2.1.138.1.4.1.1.9) | read-write | Current | Range from 3000 to 255000  The default value is 10000  The residue of the set value moded by 1000 is ignored |
| isisCircLevelDRHelloTimer (1.3.6.1.2.1.138.1.4.1.1.10) | read-write | No | Only support read operation  Range from 1000 to 85000  The default value is 3000  The residue of the set value moded by 1000 is ignored |
| isisCircLevelLSPThrottle (1.3.6.1.2.1.138.1.4.1.1.11) | read-write | Current | Range from 1 to 1000  The default value is 33 |
| isisCircLevelMinLSPRetransInt (1.3.6.1.2.1.138.1.4.1.1.12) | read-write | Current | As per MIB |
| isisCircLevelCSNPInterval (1.3.6.1.2.1.138.1.4.1.1.13) | read-write | Current | As per MIB |
| isisCircLevelPartSNPInterval (1.3.6.1.2.1.138.1.4.1.1.14) | read-write | No | Only support read operation |

## isisSystemCounterTable

OID of this table is :1.3.6.1.2.1.138.1.5.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisSysStatLevel (1.3.6.1.2.1.138.1.5.1.1.1) | not-accessible | No | As per MIB |
| isisSysStatCorrLSPs (1.3.6.1.2.1.138.1.5.1.1.2) | read-only | No | As per MIB |
| isisSysStatAuthTypeFails (1.3.6.1.2.1.138.1.5.1.1.3) | read-only | No | As per MIB |
| isisSysStatAuthFails (1.3.6.1.2.1.138.1.5.1.1.4) | read-only | No | As per MIB |
| isisSysStatLSPDbaseOloads (1.3.6.1.2.1.138.1.5.1.1.5) | read-only | No | As per MIB |
| isisSysStatManAddrDropFromAreas (1.3.6.1.2.1.138.1.5.1.1.6) | read-only | No | As per MIB |
| isisSysStatAttmptToExMaxSeqNums (1.3.6.1.2.1.138.1.5.1.1.7) | read-only | No | As per MIB |
| isisSysStatSeqNumSkips (1.3.6.1.2.1.138.1.5.1.1.8) | read-only | No | As per MIB |
| isisSysStatOwnLSPPurges (1.3.6.1.2.1.138.1.5.1.1.9) | read-only | No | As per MIB |
| isisSysStatIDFieldLenMismatches (1.3.6.1.2.1.138.1.5.1.1.10) | read-only | No | As per MIB |
| isisSysStatPartChanges (1.3.6.1.2.1.138.1.5.1.1.11) | read-only | No | As per MIB |
| isisSysStatSPFRuns (1.3.6.1.2.1.138.1.5.1.1.12) | read-only | No | As per MIB |
| isisSysStatLSPErrors (1.3.6.1.2.1.138.1.5.1.1.13) | read-only | No | As per MIB |

## isisCircuitCounterTable

OID of this table is :1.3.6.1.2.1.138.1.5.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisCircuitType (1.3.6.1.2.1.138.1.5.2.1.1) | not-accessible | No | As per MIB |
| isisCircAdjChanges (1.3.6.1.2.1.138.1.5.2.1.2) | read-only | No | As per MIB |
| isisCircNumAdj (1.3.6.1.2.1.138.1.5.2.1.3) | read-only | No | As per MIB |
| isisCircInitFails (1.3.6.1.2.1.138.1.5.2.1.4) | read-only | No | As per MIB |
| isisCircRejAdjs (1.3.6.1.2.1.138.1.5.2.1.5) | read-only | No | As per MIB |
| isisCircIDFieldLenMismatches (1.3.6.1.2.1.138.1.5.2.1.6) | read-only | No | As per MIB |
| isisCircMaxAreaAddrMismatches (1.3.6.1.2.1.138.1.5.2.1.7) | read-only | No | As per MIB |
| isisCircAuthTypeFails (1.3.6.1.2.1.138.1.5.2.1.8) | read-only | No | As per MIB |
| isisCircAuthFails (1.3.6.1.2.1.138.1.5.2.1.9) | read-only | No | As per MIB |
| isisCircLANDesISChanges (1.3.6.1.2.1.138.1.5.2.1.10) | read-only | No | As per MIB |

## isisPacketCounterTable

OID of this table is :1.3.6.1.2.1.138.1.5.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisPacketCountLevel (1.3.6.1.2.1.138.1.5.3.1.1) | not-accessible | No | As per MIB |
| isisPacketCountDirection (1.3.6.1.2.1.138.1.5.3.1.2) | not-accessible | No | As per MIB |
| isisPacketCountIIHello (1.3.6.1.2.1.138.1.5.3.1.3) | read-only | No | As per MIB |
| isisPacketCountISHello (1.3.6.1.2.1.138.1.5.3.1.4) | read-only | No | Not supported |
| isisPacketCountESHello (1.3.6.1.2.1.138.1.5.3.1.5) | read-only | No | Not supported |
| isisPacketCountLSP (1.3.6.1.2.1.138.1.5.3.1.6) | read-only | No | As per MIB |
| isisPacketCountCSNP (1.3.6.1.2.1.138.1.5.3.1.7) | read-only | No | As per MIB |
| isisPacketCountPSNP (1.3.6.1.2.1.138.1.5.3.1.8) | read-only | No | As per MIB |
| isisPacketCountUnknown (1.3.6.1.2.1.138.1.5.3.1.9) | read-only | No | As per MIB |

## isisISAdjTable

OID of this table is :1.3.6.1.2.1.138.1.6.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisISAdjIndex (1.3.6.1.2.1.138.1.6.1.1.1) | not-accessible | No | As per MIB |
| isisISAdjState (1.3.6.1.2.1.138.1.6.1.1.2) | read-only | No | As per MIB |
| isisISAdj3WayState (1.3.6.1.2.1.138.1.6.1.1.3) | read-only | No | Not supported |
| isisISAdjNeighSNPAAddress (1.3.6.1.2.1.138.1.6.1.1.4) | read-only | No | As per MIB |
| isisISAdjNeighSysType (1.3.6.1.2.1.138.1.6.1.1.5) | read-only | No | As per MIB |
| isisISAdjNeighSysID (1.3.6.1.2.1.138.1.6.1.1.6) | read-only | No | As per MIB |
| isisISAdjNbrExtendedCircID (1.3.6.1.2.1.138.1.6.1.1.7) | read-only | No | Not supported |
| isisISAdjUsage (1.3.6.1.2.1.138.1.6.1.1.8) | read-only | No | As per MIB |
| isisISAdjHoldTimer (1.3.6.1.2.1.138.1.6.1.1.9) | read-only | No | As per MIB |
| isisISAdjNeighPriority (1.3.6.1.2.1.138.1.6.1.1.10) | read-only | No | As per MIB |
| isisISAdjLastUpTime (1.3.6.1.2.1.138.1.6.1.1.11) | read-only | No | As per MIB |

## isisISAdjAreaAddrTable

OID of this table is :1.3.6.1.2.1.138.1.6.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisISAdjAreaAddrIndex (1.3.6.1.2.1.138.1.6.2.1.1) | not-accessible | No | As per MIB |
| isisISAdjAreaAddress (1.3.6.1.2.1.138.1.6.2.1.2) | read-only | No | As per MIB |

## isisISAdjIPAddrTable

OID of this table is :1.3.6.1.2.1.138.1.6.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisISAdjIPAddrIndex (1.3.6.1.2.1.138.1.6.3.1.1) | not-accessible | No | As per MIB |
| isisISAdjIPAddrType (1.3.6.1.2.1.138.1.6.3.1.2) | read-only | No | As per MIB |
| isisISAdjIPAddrAddress (1.3.6.1.2.1.138.1.6.3.1.3) | read-only | No | As per MIB |

## isisISAdjProtSuppTable

OID of this table is :1.3.6.1.2.1.138.1.6.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisISAdjProtSuppProtocol (1.3.6.1.2.1.138.1.6.4.1.1) | read-only | No | As per MIB |

## isisLSPSummaryTable

OID of this table is :1.3.6.1.2.1.138.1.9.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisLSPLevel (1.3.6.1.2.1.138.1.9.1.1.1) | not-accessible | No | As per MIB |
| isisLSPID (1.3.6.1.2.1.138.1.9.1.1.2) | not-accessible | No | As per MIB |
| isisLSPSeq (1.3.6.1.2.1.138.1.9.1.1.3) | read-only | No | As per MIB |
| isisLSPZeroLife (1.3.6.1.2.1.138.1.9.1.1.4) | read-only | No | As per MIB |
| isisLSPChecksum (1.3.6.1.2.1.138.1.9.1.1.5) | read-only | No | As per MIB |
| isisLSPLifetimeRemain (1.3.6.1.2.1.138.1.9.1.1.6) | read-only | No | As per MIB |
| isisLSPPDULength (1.3.6.1.2.1.138.1.9.1.1.7) | read-only | No | As per MIB |
| isisLSPAttributes (1.3.6.1.2.1.138.1.9.1.1.8) | read-only | No | As per MIB |

## isisLSPTLVTable

OID of this table is :1.3.6.1.2.1.138.1.9.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisLSPTLVIndex (1.3.6.1.2.1.138.1.9.2.1.1) | not-accessible | No | As per MIB |
| isisLSPTLVSeq (1.3.6.1.2.1.138.1.9.2.1.2) | read-only | No | As per MIB |
| isisLSPTLVChecksum (1.3.6.1.2.1.138.1.9.2.1.3) | read-only | No | As per MIB |
| isisLSPTLVType (1.3.6.1.2.1.138.1.9.2.1.4) | read-only | No | As per MIB |
| isisLSPTLVLen (1.3.6.1.2.1.138.1.9.2.1.5) | read-only | No | As per MIB |
| isisLSPTLVValue (1.3.6.1.2.1.138.1.9.2.1.6) | read-only | No | As per MIB |

## isisNotification

OID of this table is :1.3.6.1.2.1.138.1.10

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisNotificationSysLevelIndex (1.3.6.1.2.1.138.1.10.1.1) | accessible-for-notify | No | As per MIB |
| isisNotificationCircIfIndex (1.3.6.1.2.1.138.1.10.1.2) | accessible-for-notify | No | As per MIB |
| isisPduLspId (1.3.6.1.2.1.138.1.10.1.3) | accessible-for-notify | No | As per MIB |
| isisPduFragment (1.3.6.1.2.1.138.1.10.1.4) | accessible-for-notify | No | As per MIB |
| isisPduFieldLen (1.3.6.1.2.1.138.1.10.1.5) | accessible-for-notify | No | As per MIB |
| isisPduMaxAreaAddress (1.3.6.1.2.1.138.1.10.1.6) | accessible-for-notify | No | As per MIB |
| isisPduProtocolVersion (1.3.6.1.2.1.138.1.10.1.7) | accessible-for-notify | No | As per MIB |
| isisPduLspSize (1.3.6.1.2.1.138.1.10.1.8) | accessible-for-notify | No | As per MIB |
| isisPduOriginatingBufferSize (1.3.6.1.2.1.138.1.10.1.9) | accessible-for-notify | No | As per MIB |
| isisPduBufferSize (1.3.6.1.2.1.138.1.10.1.10) | accessible-for-notify | No | As per MIB |
| isisPduProtocolsSupported (1.3.6.1.2.1.138.1.10.1.11) | accessible-for-notify | No | As per MIB |
| isisAdjState (1.3.6.1.2.1.138.1.10.1.12) | accessible-for-notify | No | As per MIB |
| isisErrorOffset (1.3.6.1.2.1.138.1.10.1.13) | accessible-for-notify | No | As per MIB |
| isisErrorTLVType (1.3.6.1.2.1.138.1.10.1.14) | accessible-for-notify | No | As per MIB |
| isisNotificationAreaAddress (1.3.6.1.2.1.138.1.10.1.15) | accessible-for-notify | No | As per MIB |

# BGP4-MIB

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| bgpVersion (1.3.6.1.2.1.15.1) | read-only | Current | As per MIB |
| bgpLocalAs (1.3.6.1.2.1.15.2) | read-only | Current | As per MIB |
| bgpIdentifier (1.3.6.1.2.1.15.4) | read-only | No | As per MIB |

## bgpPeerTable

OID of this table is :1.3.6.1.2.1.15.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| bgpPeerIdentifier (1.3.6.1.2.1.15.3.1.1) | read-only | No | As per MIB |
| bgpPeerState (1.3.6.1.2.1.15.3.1.2) | read-only | No | As per MIB |
| bgpPeerAdminStatus (1.3.6.1.2.1.15.3.1.3) | read-write | No | As per MIB |
| bgpPeerNegotiatedVersion (1.3.6.1.2.1.15.3.1.4) | read-only | No | As per MIB |
| bgpPeerLocalAddr (1.3.6.1.2.1.15.3.1.5) | read-only | No | As per MIB |
| bgpPeerLocalPort (1.3.6.1.2.1.15.3.1.6) | read-only | No | As per MIB |
| bgpPeerRemoteAddr (1.3.6.1.2.1.15.3.1.7) | read-only | No | As per MIB |
| bgpPeerRemotePort (1.3.6.1.2.1.15.3.1.8) | read-only | No | As per MIB |
| bgpPeerRemoteAs (1.3.6.1.2.1.15.3.1.9) | read-only | No | As per MIB |
| bgpPeerInUpdates (1.3.6.1.2.1.15.3.1.10) | read-only | No | As per MIB |
| bgpPeerOutUpdates (1.3.6.1.2.1.15.3.1.11) | read-only | No | As per MIB |
| bgpPeerInTotalMessages (1.3.6.1.2.1.15.3.1.12) | read-only | No | As per MIB |
| bgpPeerOutTotalMessages (1.3.6.1.2.1.15.3.1.13) | read-only | No | As per MIB |
| bgpPeerLastError (1.3.6.1.2.1.15.3.1.14) | read-only | No | As per MIB |
| bgpPeerFsmEstablishedTransitions (1.3.6.1.2.1.15.3.1.15) | read-only | No | As per MIB |
| bgpPeerFsmEstablishedTime (1.3.6.1.2.1.15.3.1.16) | read-only | No | As per MIB |
| bgpPeerConnectRetryInterval (1.3.6.1.2.1.15.3.1.17) | read-only | No | As per MIB |
| bgpPeerHoldTime (1.3.6.1.2.1.15.3.1.18) | read-only | No | As per MIB |
| bgpPeerKeepAlive (1.3.6.1.2.1.15.3.1.19) | read-only | No | As per MIB |
| bgpPeerHoldTimeConfigured (1.3.6.1.2.1.15.3.1.20) | read-write | No | Range from 3 to 65535. Notes that value of this object is at least 3 times as the value of bgpPeerKeepAliveConfigured |
| bgpPeerKeepAliveConfigured (1.3.6.1.2.1.15.3.1.21) | read-write | No | Range from 1 to 21845. Notes that value of bgpPeerHoldTimeConfigured is at least 3 times as the value of this object. |
| bgpPeerMinASOriginationInterval (1.3.6.1.2.1.15.3.1.22) | read-write | No | Range from 1 to 600  The value is always equal to bgpPeerMinRouteAdvertisementInterval |
| bgpPeerMinRouteAdvertisementInterval (1.3.6.1.2.1.15.3.1.23) | read-write | No | Range from 1 to 600  The value is always equal to bgpPeerMinASOriginationInterval |
| bgpPeerInUpdateElapsedTime (1.3.6.1.2.1.15.3.1.24) | read-only | No | As per MIB |

## bgp4PathAttrTable

OID of this table is :1.3.6.1.2.1.15.6

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| bgp4PathAttrPeer (1.3.6.1.2.1.15.6.1.1) | read-only | No | As per MIB |
| bgp4PathAttrIpAddrPrefixLen (1.3.6.1.2.1.15.6.1.2) | read-only | No | As per MIB |
| bgp4PathAttrIpAddrPrefix (1.3.6.1.2.1.15.6.1.3) | read-only | No | As per MIB |
| bgp4PathAttrOrigin (1.3.6.1.2.1.15.6.1.4) | read-only | No | As per MIB |
| bgp4PathAttrASPathSegment (1.3.6.1.2.1.15.6.1.5) | read-only | No | As per MIB |
| bgp4PathAttrNextHop (1.3.6.1.2.1.15.6.1.6) | read-only | No | As per MIB |
| bgp4PathAttrMultiExitDisc (1.3.6.1.2.1.15.6.1.7) | read-only | No | When the actual value is range from 2147483647 to 4294967295, the return value will be 2147483647. |
| bgp4PathAttrLocalPref (1.3.6.1.2.1.15.6.1.8) | read-only | No | As per MIB |
| bgp4PathAttrAtomicAggregate (1.3.6.1.2.1.15.6.1.9) | read-only | No | As per MIB |
| bgp4PathAttrAggregatorAS (1.3.6.1.2.1.15.6.1.10) | read-only | No | As per MIB |
| bgp4PathAttrAggregatorAddr (1.3.6.1.2.1.15.6.1.11) | read-only | No | As per MIB |
| bgp4PathAttrCalcLocalPref (1.3.6.1.2.1.15.6.1.12) | read-only | No | As per MIB |
| bgp4PathAttrBest (1.3.6.1.2.1.15.6.1.13) | read-only | No | As per MIB |
| bgp4PathAttrUnknown (1.3.6.1.2.1.15.6.1.14) | read-only | No | As per MIB |

# RIPv2-MIB

## rip2Globals objects

OID of this table is :1.3.6.1.2.1.23.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| rip2GlobalRouteChanges (1.3.6.1.2.1.23.1.1) | read-only | No | As per MIB |
| rip2GlobalQueries (1.3.6.1.2.1.23.1.2) | read-only | No | As per MIB |

## rip2IfStatTable

OID of this table is :1.3.6.1.2.1.23.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| rip2IfStatAddress (1.3.6.1.2.1.23.2.1.1) | read-only | Current | As per MIB |
| rip2IfStatRcvBadPackets (1.3.6.1.2.1.23.2.1.2) | read-only | No | As per MIB |
| rip2IfStatRcvBadRoutes (1.3.6.1.2.1.23.2.1.3) | read-only | No | As per MIB |
| rip2IfStatSentUpdates (1.3.6.1.2.1.23.2.1.4) | read-only | No | As per MIB |
| rip2IfStatStatus (1.3.6.1.2.1.23.2.1.5) | read-only | No | As per MIB |

## rip2IfConfTable

OID of this table is :1.3.6.1.2.1.23.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| rip2IfConfAddress (1.3.6.1.2.1.23.3.1.1) | read-only | Current | As per MIB |
| rip2IfConfDomain (1.3.6.1.2.1.23.3.1.2) | read-only | Current | Not supported. |
| rip2IfConfAuthType (1.3.6.1.2.1.23.3.1.3) | read-write | Current | Only support read operation |
| rip2IfConfAuthKey (1.3.6.1.2.1.23.3.1.4) | read-write | Current | Only support read operation |
| rip2IfConfSend (1.3.6.1.2.1.23.3.1.5) | read-only | Current | The default value is ripVersion1(2) |
| rip2IfConfReceive (1.3.6.1.2.1.23.3.1.6) | read-only | No | As per MIB |
| rip2IfConfDefaultMetric (1.3.6.1.2.1.23.3.1.7) | read-only | Current | As per MIB |
| rip2IfConfStatus (1.3.6.1.2.1.23.3.1.8) | read-write | No | Only support read operation |
| rip2IfConfSrcAddress (1.3.6.1.2.1.23.3.1.9) | read-only | Current | As per MIB |

## rip2PeerTable

OID of this table is :1.3.6.1.2.1.23.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| rip2PeerAddress (1.3.6.1.2.1.23.4.1.1) | read-only | No | As per MIB |
| rip2PeerDomain (1.3.6.1.2.1.23.4.1.2) | read-only | No | As per MIB |
| rip2PeerLastUpdate (1.3.6.1.2.1.23.4.1.3) | read-only | No | As per MIB |
| rip2PeerVersion (1.3.6.1.2.1.23.4.1.4) | read-only | No | As per MIB |
| rip2PeerRcvBadPackets (1.3.6.1.2.1.23.4.1.5) | read-only | No | As per MIB |
| rip2PeerRcvBadRoutes (1.3.6.1.2.1.23.4.1.6) | read-only | No | As per MIB |

# OSPF-MIB

# ospfGeneralGroup

OID of this table is :1.3.6.1.2.1.14.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfRouterId (1.3.6.1.2.1.14.1.1) | read-write | Current | As per MIB |
| ospfAdminStat (1.3.6.1.2.1.14.1.2) | read-write | No | Only support read operation |
| ospfVersionNumber (1.3.6.1.2.1.14.1.3) | read-only | Current | As per MIB |
| ospfAreaBdrRtrStatus (1.3.6.1.2.1.14.1.4) | read-only | No | As per MIB |
| ospfASBdrRtrStatus (1.3.6.1.2.1.14.1.5) | read-write | No | Only support read operation |
| ospfExternLsaCount (1.3.6.1.2.1.14.1.6) | read-only | No | As per MIB |
| ospfExternLsaCksumSum (1.3.6.1.2.1.14.1.7) | read-only | No | As per MIB |
| ospfTOSSupport (1.3.6.1.2.1.14.1.8) | read-write | No | Only support read operation |
| ospfOriginateNewLsas (1.3.6.1.2.1.14.1.9) | read-only | No | As per MIB |
| ospfRxNewLsas (1.3.6.1.2.1.14.1.10) | read-only | No | As per MIB |
| ospfExtLsdbLimit (1.3.6.1.2.1.14.1.11) | read-write | Current | The vlaue range is -1 and from 1 to 1000000 |
| ospfMulticastExtensions (1.3.6.1.2.1.14.1.12) | read-write | Current | Only support read operation |
| ospfExitOverflowInterval (1.3.6.1.2.1.14.1.13) | read-write | No | The default value is 300 |
| ospfDemandExtensions (1.3.6.1.2.1.14.1.14) | read-write | No | Only support read operation |

# ospfAreaTable

OID of this table is :1.3.6.1.2.1.14.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfAreaId (1.3.6.1.2.1.14.2.1.1) | read-only | Current | As per MIB |
| ospfAuthType (1.3.6.1.2.1.14.2.1.2) | read-only | Current | As per MIB |
| ospfImportAsExtern (1.3.6.1.2.1.14.2.1.3) | read-only | Current | As per MIB |
| ospfSpfRuns (1.3.6.1.2.1.14.2.1.4) | read-only | No | As per MIB |
| ospfAreaBdrRtrCount (1.3.6.1.2.1.14.2.1.5) | read-only | No | As per MIB |
| ospfAsBdrRtrCount (1.3.6.1.2.1.14.2.1.6) | read-only | No | As per MIB |
| ospfAreaLsaCount (1.3.6.1.2.1.14.2.1.7) | read-only | No | As per MIB |
| ospfAreaLsaCksumSum (1.3.6.1.2.1.14.2.1.8) | read-only | No | As per MIB |
| ospfAreaSummary (1.3.6.1.2.1.14.2.1.9) | read-only | Current | As per MIB |
| ospfAreaStatus (1.3.6.1.2.1.14.2.1.10) | read-only | No | As per MIB |

# ospfStubAreaTable

OID of this table is :1.3.6.1.2.1.14.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfStubAreaId (1.3.6.1.2.1.14.3.1.1) | read-only | Current | As per MIB |
| ospfStubTOS (1.3.6.1.2.1.14.3.1.2) | read-only | No | As per MIB |
| ospfStubMetric (1.3.6.1.2.1.14.3.1.3) | read-only | No | As per MIB |
| ospfStubStatus (1.3.6.1.2.1.14.3.1.4) | read-only | No | As per MIB |
| ospfStubMetricType (1.3.6.1.2.1.14.3.1.5) | read-only | Current | As per MIB |

# ospfLsdbTable

OID of this table is :1.3.6.1.2.1.14.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfLsdbAreaId (1.3.6.1.2.1.14.4.1.1) | read-only | No | As per MIB |
| ospfLsdbType (1.3.6.1.2.1.14.4.1.2) | read-only | No | As per MIB |
| ospfLsdbLsid (1.3.6.1.2.1.14.4.1.3) | read-only | No | As per MIB |
| ospfLsdbSequence (1.3.6.1.2.1.14.4.1.5) | read-only | No | As per MIB |
| ospfLsdbAge (1.3.6.1.2.1.14.4.1.6) | read-only | No | As per MIB |
| ospfLsdbChecksum (1.3.6.1.2.1.14.4.1.7) | read-only | No | As per MIB |
| ospfLsdbAdvertisement (1.3.6.1.2.1.14.4.1.8) | read-only | No | As per MIB |

# ospfIfTable

OID of this table is :1.3.6.1.2.1.14.7

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfIfIpAddress (1.3.6.1.2.1.14.7.1.1) | read-only | Current | As per MIB |
| ospfAddressLessIf (1.3.6.1.2.1.14.7.1.2) | read-only | No | As per MIB |
| ospfIfAreaId (1.3.6.1.2.1.14.7.1.3) | read-only | Current | As per MIB |
| ospfIfType (1.3.6.1.2.1.14.7.1.4) | read-only | Current | As per MIB |
| ospfIfAdminStat (1.3.6.1.2.1.14.7.1.5) | read-only | No | As per MIB |
| ospfIfRtrPriority (1.3.6.1.2.1.14.7.1.6) | read-write | Current | Only support read operation |
| ospfIfTransitDelay (1.3.6.1.2.1.14.7.1.7) | read-write | Current | Range from 1 to 3600 |
| ospfIfRetransInterval (1.3.6.1.2.1.14.7.1.8) | read-write | Current | Range from 1 to 3600 |
| ospfIfHelloInterval (1.3.6.1.2.1.14.7.1.9) | read-write | Current | As per MIB |
| ospfIfRtrDeadInterval (1.3.6.1.2.1.14.7.1.10) | read-write | Current | Range from 1to 2147483647 |
| ospfIfPollInterval (1.3.6.1.2.1.14.7.1.11) | read-write | Current | Only support read operation |
| ospfIfState (1.3.6.1.2.1.14.7.1.12) | read-only | No | As per MIB |
| ospfIfEvents (1.3.6.1.2.1.14.7.1.15) | read-only | No | As per MIB |
| ospfIfAuthKey (1.3.6.1.2.1.14.7.1.16) | read-only | Current | As per MIB |
| ospfIfStatus (1.3.6.1.2.1.14.7.1.17) | read-only | No | As per MIB |
| ospfIfMulticastForwarding (1.3.6.1.2.1.14.7.1.18) | read-only | No | As per MIB |
| ospfIfDemand (1.3.6.1.2.1.14.7.1.19) | read-only | No | As per MIB |
| ospfIfAuthType (1.3.6.1.2.1.14.7.1.20) | read-only | Current | As per MIB |

# ospfIfMetricTable

OID of this table is :1.3.6.1.2.1.14.8

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfIfMetricIpAddress (1.3.6.1.2.1.14.8.1.1) | read-only | Current | As per MIB |
| ospfIfMetricAddressLessIf (1.3.6.1.2.1.14.8.1.2) | read-only | Current | As per MIB |
| ospfIfMetricTOS (1.3.6.1.2.1.14.8.1.3) | read-only | No | As per MIB |
| ospfIfMetricValue (1.3.6.1.2.1.14.8.1.4) | read-write | Current | Range from 1 to 65535 |
| ospfIfMetricStatus (1.3.6.1.2.1.14.8.1.5) | read-only | No | As per MIB |

# ospfVirtIfTable

OID of this table is :1.3.6.1.2.1.14.9

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfVirtIfAreaId (1.3.6.1.2.1.14.9.1.1) | read-only | Current | As per MIB |
| ospfVirtIfNeighbor (1.3.6.1.2.1.14.9.1.2) | read-only | Current | As per MIB |
| ospfVirtIfTransitDelay (1.3.6.1.2.1.14.9.1.3) | read-only | Current | As per MIB |
| ospfVirtIfRetransInterval (1.3.6.1.2.1.14.9.1.4) | read-only | Current | As per MIB |
| ospfVirtIfHelloInterval (1.3.6.1.2.1.14.9.1.5) | read-only | Current | As per MIB |
| ospfVirtIfRtrDeadInterval (1.3.6.1.2.1.14.9.1.6) | read-only | Current | As per MIB |
| ospfVirtIfState (1.3.6.1.2.1.14.9.1.7) | read-only | No | As per MIB |
| ospfVirtIfEvents (1.3.6.1.2.1.14.9.1.8) | read-only | No | As per MIB |
| ospfVirtIfAuthKey (1.3.6.1.2.1.14.9.1.9) | read-only | Current | As per MIB |
| ospfVirtIfStatus (1.3.6.1.2.1.14.9.1.10) | read-only | No | As per MIB |
| ospfVirtIfAuthType (1.3.6.1.2.1.14.9.1.11) | read-only | Current | As per MIB |

# ospfNbrTable

OID of this table is :1.3.6.1.2.1.14.10

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfNbrIpAddr (1.3.6.1.2.1.14.10.1.1) | read-only | No | As per MIB |
| ospfNbrAddressLessIndex (1.3.6.1.2.1.14.10.1.2) | read-only | Current | As per MIB |
| ospfNbrRtrId (1.3.6.1.2.1.14.10.1.3) | read-only | No | As per MIB |
| ospfNbrOptions (1.3.6.1.2.1.14.10.1.4) | read-only | No | As per MIB |
| ospfNbrPriority (1.3.6.1.2.1.14.10.1.5) | read-only | No | As per MIB |
| ospfNbrState (1.3.6.1.2.1.14.10.1.6) | read-only | No | As per MIB |
| ospfNbrEvents (1.3.6.1.2.1.14.10.1.7) | read-only | No | As per MIB |
| ospfNbrLsRetransQLen (1.3.6.1.2.1.14.10.1.8) | read-only | No | As per MIB |
| ospfNbmaNbrStatus (1.3.6.1.2.1.14.10.1.9) | read-only | No | As per MIB |
| ospfNbmaNbrPermanence (1.3.6.1.2.1.14.10.1.10) | read-only | No | As per MIB |
| ospfNbrHelloSuppressed (1.3.6.1.2.1.14.10.1.11) | read-only | No | As per MIB |

# ospfVirtNbrTable

OID of this table is :1.3.6.1.2.1.14.11

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfVirtNbrArea (1.3.6.1.2.1.14.11.1.1) | read-only | No | As per MIB |
| ospfVirtNbrRtrId (1.3.6.1.2.1.14.11.1.2) | read-only | No | As per MIB |
| ospfVirtNbrIpAddr (1.3.6.1.2.1.14.11.1.3) | read-only | No | As per MIB |
| ospfVirtNbrOptions (1.3.6.1.2.1.14.11.1.4) | read-only | No | As per MIB |
| ospfVirtNbrState (1.3.6.1.2.1.14.11.1.5) | read-only | No | As per MIB |
| ospfVirtNbrEvents (1.3.6.1.2.1.14.11.1.6) | read-only | No | As per MIB |
| ospfVirtNbrLsRetransQLen (1.3.6.1.2.1.14.11.1.7) | read-only | No | As per MIB |
| ospfVirtNbrHelloSuppressed (1.3.6.1.2.1.14.11.1.8) | read-only | No | As per MIB |

# ospfExtLsdbTable

OID of this table is :1.3.6.1.2.1.14.12

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfExtLsdbType (1.3.6.1.2.1.14.12.1.1) | read-only | No | As per MIB |
| ospfExtLsdbLsid (1.3.6.1.2.1.14.12.1.2) | read-only | No | As per MIB |
| ospfExtLsdbSequence (1.3.6.1.2.1.14.12.1.4) | read-only | No | As per MIB |
| ospfExtLsdbAge (1.3.6.1.2.1.14.12.1.5) | read-only | No | As per MIB |
| ospfExtLsdbChecksum (1.3.6.1.2.1.14.12.1.6) | read-only | No | As per MIB |
| ospfExtLsdbAdvertisement (1.3.6.1.2.1.14.12.1.7) | read-only | No | As per MIB |

# ospfAreaAggregateTable

OID of this table is :1.3.6.1.2.1.14.14

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfAreaAggregateAreaID (1.3.6.1.2.1.14.14.1.1) | read-only | Current | As per MIB |
| ospfAreaAggregateLsdbType (1.3.6.1.2.1.14.14.1.2) | read-only | Current | As per MIB |
| ospfAreaAggregateNet (1.3.6.1.2.1.14.14.1.3) | read-only | Current | As per MIB |
| ospfAreaAggregateMask (1.3.6.1.2.1.14.14.1.4) | read-only | Current | As per MIB |
| ospfAreaAggregateStatus (1.3.6.1.2.1.14.14.1.5) | read-only | No | Only support read operation |
| ospfAreaAggregateEffect (1.3.6.1.2.1.14.14.1.6) | read-only | No | Only support read operation |

# RADIUS-ACC-CLIENT-MIB

## Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| radiusAccClientInvalidServerAddresses (1.3.6.1.2.1.67.2.2.1.1.1) | read-only | No | As per MIB |
| radiusAccClientIdentifier (1.3.6.1.2.1.67.2.2.1.1.2) | read-only | No | As per MIB |

## radiusAccServerTable

OID of this table is :1.3.6.1.2.1.67.2.2.1.1.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| radiusAccServerIndex (1.3.6.1.2.1.67.2.2.1.1.3.1.1) | not-accessible | No | As per MIB |
| radiusAccServerAddress (1.3.6.1.2.1.67.2.2.1.1.3.1.2) | read-only | Current | As per MIB |
| radiusAccClientServerPortNumber (1.3.6.1.2.1.67.2.2.1.1.3.1.3) | read-only | Current | As per MIB |
| radiusAccClientRoundTripTime (1.3.6.1.2.1.67.2.2.1.1.3.1.4) | read-only | No | As per MIB |
| radiusAccClientRequests (1.3.6.1.2.1.67.2.2.1.1.3.1.5) | read-only | No | As per MIB |
| radiusAccClientRetransmissions (1.3.6.1.2.1.67.2.2.1.1.3.1.6) | read-only | No | As per MIB |
| radiusAccClientResponses (1.3.6.1.2.1.67.2.2.1.1.3.1.7) | read-only | No | As per MIB |
| radiusAccClientMalformedResponses (1.3.6.1.2.1.67.2.2.1.1.3.1.8) | read-only | No | As per MIB |
| radiusAccClientBadAuthenticators (1.3.6.1.2.1.67.2.2.1.1.3.1.9) | read-only | No | As per MIB |
| radiusAccClientPendingRequests (1.3.6.1.2.1.67.2.2.1.1.3.1.10) | read-only | No | As per MIB |
| radiusAccClientTimeouts (1.3.6.1.2.1.67.2.2.1.1.3.1.11) | read-only | No | As per MIB |
| radiusAccClientUnknownTypes (1.3.6.1.2.1.67.2.2.1.1.3.1.12) | read-only | No | As per MIB |
| radiusAccClientPacketsDropped (1.3.6.1.2.1.67.2.2.1.1.3.1.13) | read-only | No | As per MIB |

# RADIUS-AUTH-CLIENT-MIB

## Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| radiusAuthClientInvalidServerAddresses (1.3.6.1.2.1.67.1.2.1.1.1) | read-only | No | As per MIB |
| radiusAuthClientIdentifier (1.3.6.1.2.1.67.1.2.1.1.2) | read-only | No | As per MIB |

## radiusAuthServerTable

OID of this table is :1.3.6.1.2.1.67.1.2.1.1.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| radiusAuthServerIndex (1.3.6.1.2.1.67.1.2.1.1.3.1.1) | not-accessible | No | As per MIB |
| radiusAuthServerAddress (1.3.6.1.2.1.67.1.2.1.1.3.1.2) | read-only | No | As per MIB |
| radiusAuthClientServerPortNumber (1.3.6.1.2.1.67.1.2.1.1.3.1.3) | read-only | No | As per MIB |
| radiusAuthClientRoundTripTime (1.3.6.1.2.1.67.1.2.1.1.3.1.4) | read-only | No | As per MIB |
| radiusAuthClientAccessRequests (1.3.6.1.2.1.67.1.2.1.1.3.1.5) | read-only | No | As per MIB |
| radiusAuthClientAccessRetransmissions (1.3.6.1.2.1.67.1.2.1.1.3.1.6) | read-only | No | As per MIB |
| radiusAuthClientAccessAccepts (1.3.6.1.2.1.67.1.2.1.1.3.1.7) | read-only | No | As per MIB |
| radiusAuthClientAccessRejects (1.3.6.1.2.1.67.1.2.1.1.3.1.8) | read-only | No | As per MIB |
| radiusAuthClientAccessChallenges (1.3.6.1.2.1.67.1.2.1.1.3.1.9) | read-only | No | As per MIB |
| radiusAuthClientMalformedAccessResponses (1.3.6.1.2.1.67.1.2.1.1.3.1.10) | read-only | No | As per MIB |
| radiusAuthClientBadAuthenticators (1.3.6.1.2.1.67.1.2.1.1.3.1.11) | read-only | No | As per MIB |
| radiusAuthClientPendingRequests (1.3.6.1.2.1.67.1.2.1.1.3.1.12) | read-only | No | As per MIB |
| radiusAuthClientTimeouts (1.3.6.1.2.1.67.1.2.1.1.3.1.13) | read-only | No | As per MIB |
| radiusAuthClientUnknownTypes (1.3.6.1.2.1.67.1.2.1.1.3.1.14) | read-only | No | As per MIB |
| radiusAuthClientPacketsDropped (1.3.6.1.2.1.67.1.2.1.1.3.1.15) | read-only | No | As per MIB |

# EtherLike-MIB

## dot3StatsTable

OID of this table is :1.3.6.1.2.1.10.7.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot3StatsIndex (1.3.6.1.2.1.10.7.2.1.1) | read-only | Current | As per MIB |
| dot3StatsAlignmentErrors (1.3.6.1.2.1.10.7.2.1.2) | read-only | Current | As per MIB |
| dot3StatsFCSErrors (1.3.6.1.2.1.10.7.2.1.3) | read-only | Current | As per MIB |
| dot3StatsSingleCollisionFrames (1.3.6.1.2.1.10.7.2.1.4) | read-only | Current | As per MIB |
| dot3StatsMultipleCollisionFrames (1.3.6.1.2.1.10.7.2.1.5) | read-only | Current | As per MIB |
| dot3StatsSQETestErrors (1.3.6.1.2.1.10.7.2.1.6) | read-only | Current | As per MIB |
| dot3StatsDeferredTransmissions (1.3.6.1.2.1.10.7.2.1.7) | read-only | Current | As per MIB |
| dot3StatsLateCollisions (1.3.6.1.2.1.10.7.2.1.8) | read-only | Current | As per MIB |
| dot3StatsExcessiveCollisions (1.3.6.1.2.1.10.7.2.1.9) | read-only | Current | As per MIB |
| dot3StatsInternalMacTransmitErrors (1.3.6.1.2.1.10.7.2.1.10) | read-only | Current | As per MIB |
| dot3StatsCarrierSenseErrors (1.3.6.1.2.1.10.7.2.1.11) | read-only | Current | As per MIB |
| dot3StatsFrameTooLongs (1.3.6.1.2.1.10.7.2.1.13) | read-only | Current | As per MIB |
| dot3StatsInternalMacReceiveErrors (1.3.6.1.2.1.10.7.2.1.16) | read-only | Current | As per MIB |
| dot3StatsEtherChipSet (1.3.6.1.2.1.10.7.2.1.17) | read-only | Current | Not supported |
| dot3StatsSymbolErrors (1.3.6.1.2.1.10.7.2.1.18) | read-only | Current | As per MIB |
| dot3StatsDuplexStatus (1.3.6.1.2.1.10.7.2.1.19) | read-only | Current | As per MIB |

## dot3CollTable

OID of this table is :1.3.6.1.2.1.10.7.5

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot3CollCount (1.3.6.1.2.1.10.7.5.1.2) | not-accessible | No | As per MIB |
| dot3CollFrequencies (1.3.6.1.2.1.10.7.5.1.3) | read-only | Current | As per MIB |

## dot3ControlTable

OID of this table is :1.3.6.1.2.1.10.7.9

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot3ControlFunctionsSupported (1.3.6.1.2.1.10.7.9.1.1) | read-only | No | Not supported |
| dot3ControlInUnknownOpcodes (1.3.6.1.2.1.10.7.9.1.2) | read-only | Current | As per MIB |

## dot3PauseTable

OID of this table is :1.3.6.1.2.1.10.7.10

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot3PauseAdminMode (1.3.6.1.2.1.10.7.10.1.1) | read-only | Current | As per MIB |
| dot3PauseOperMode (1.3.6.1.2.1.10.7.10.1.2) | read-only | Current | As per MIB |
| dot3InPauseFrames (1.3.6.1.2.1.10.7.10.1.3) | read-only | Current | As per MIB |
| dot3OutPauseFrames (1.3.6.1.2.1.10.7.10.1.4) | read-only | Current | As per MIB |

# MAU-MIB

## ifMauTable

OID of this table is :1.3.6.1.2.1.26.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ifMauIfIndex (1.3.6.1.2.1.26.2.1.1.1) | read-only | No | As per MIB |
| ifMauIndex (1.3.6.1.2.1.26.2.1.1.2) | read-only | No | As per MIB |
| ifMauType (1.3.6.1.2.1.26.2.1.1.3) | read-only | Current | As per MIB |
| ifMauStatus (1.3.6.1.2.1.26.2.1.1.4) | read-only | No | As per MIB |
| ifMauMediaAvailable (1.3.6.1.2.1.26.2.1.1.5) | read-only | No | As per MIB |
| ifMauMediaAvailableStateExits (1.3.6.1.2.1.26.2.1.1.6) | read-only | Current | As per MIB |
| ifMauJabberState (1.3.6.1.2.1.26.2.1.1.7) | read-only | Current | As per MIB |
| ifMauJabberingStateEnters (1.3.6.1.2.1.26.2.1.1.8) | read-only | Current | As per MIB |
| ifMauFalseCarriers (1.3.6.1.2.1.26.2.1.1.9) | read-only | Current | As per MIB |
| ifMauTypeList (1.3.6.1.2.1.26.2.1.1.10) | read-only | Current | As per MIB |
| ifMauDefaultType (1.3.6.1.2.1.26.2.1.1.11) | read-write | Current | Only support read operation |
| ifMauAutoNegSupported (1.3.6.1.2.1.26.2.1.1.12) | read-only | Current | As per MIB |
| ifMauTypeListBits (1.3.6.1.2.1.26.2.1.1.13) | read-only | Current | As per MIB |
| ifMauHCFalseCarriers (1.3.6.1.2.1.26.2.1.1.14) | read-only | Current | Not supported |

## ifJackTable

OID of this table is :1.3.6.1.2.1.26.2.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ifJackIndex (1.3.6.1.2.1.26.2.2.1.1) | not-accessible | No | As per MIB |
| ifJackType (1.3.6.1.2.1.26.2.2.1.2) | read-only | No | Not supported |

## ifMauAutoNegTable

OID of this table is :1.3.6.1.2.1.26.5.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ifMauAutoNegAdminStatus (1.3.6.1.2.1.26.5.1.1.1) | read-write | Current | Only support read operation |
| ifMauAutoNegRemoteSignaling (1.3.6.1.2.1.26.5.1.1.2) | read-only | Current | As per MIB |
| ifMauAutoNegConfig (1.3.6.1.2.1.26.5.1.1.4) | read-only | Current | As per MIB |
| ifMauAutoNegCapability (1.3.6.1.2.1.26.5.1.1.5) | read-only | Current | As per MIB |
| ifMauAutoNegCapAdvertised (1.3.6.1.2.1.26.5.1.1.6) | read-only | Current | As per MIB |
| ifMauAutoNegCapReceived (1.3.6.1.2.1.26.5.1.1.7) | read-only | Current | As per MIB |
| ifMauAutoNegRestart (1.3.6.1.2.1.26.5.1.1.8) | read-write | Current | Only support read operation |
| ifMauAutoNegCapabilityBits (1.3.6.1.2.1.26.5.1.1.9) | read-only | Current | As per MIB |
| ifMauAutoNegCapAdvertisedBits (1.3.6.1.2.1.26.5.1.1.10) | read-only | Current | As per MIB |
| ifMauAutoNegCapReceivedBits (1.3.6.1.2.1.26.5.1.1.11) | read-only | Current | As per MIB |
| ifMauAutoNegRemoteFaultAdvertised (1.3.6.1.2.1.26.5.1.1.12) | read-only | Current | As per MIB |
| ifMauAutoNegRemoteFaultReceived (1.3.6.1.2.1.26.5.1.1.13) | read-only | Current | As per MIB |

# Entity-MIB

This chapter describes the information of Entity MIB. The Entity MIB contains five groups of MIB objects: entityPhysical group, entityLogical group, entityMapping group, entityGeneral group and entityNotifications group. Thereinto, the entityPhysical group describes the physical entities managed by a single agent. This group contains a single table to identify physical system components, called the entPhysicalTable. The entPhysicalTable contains one row per physical entity, and must always contain at least one row for an "overall" physical entity, which should have an entPhysicalClass value of 'stack(11)', 'chassis(3)' or 'module(9)'. Each row is indexed by an arbitrary, small integer, and contains a description and type of the physical entity. It also optionally contains the index number of another entPhysicalEntry indicating a containment relationship between the two.

The entityLogical group describes the logical entities managed by a single agent. This group contains a single table to identify logical entities, called the entLogicalTable. The entLogicalTable contains one row per logical entity. Each row is indexed by an arbitrary, small integer and contains a name, description, and type of the logical entity. It also contains information to allow access to the MIB information for the logical entity. This includes SNMP versions that use a community name (with some form of implied context representation) and SNMP versions that use the SNMP ARCH [RFC2571] method of context identification. If a agent represents multiple logical entities with this MIB, then this group must be implemented for all logical entities known to the agent. If an agent represents a single logical entity, or multiple logical entities within a single naming scope, then implementation of this group may be omitted by the agent.

The entityMapping group describes the associations between the physical entities logical entities, interfaces, and non-interface ports managed by a single agent. This group contains three tables to identify associations between different system components. The entLPMappingTable contains mappings between entLogicalIndex values (logical entities) and entPhysicalIndex values (the physical components supporting that entity). A logical entity can map to more than one physical component, and more than one logical entity can map to (share) the same physical component. If an agent represents a single logical entity, or multiple logical entities within a single naming scope, then implementation of this table may be omitted by the agent. The entAliasMappingTable contains mappings between entLogicalIndex, entPhysicalIndex pairs and 'alias' object identifier values. This allows resources managed with other MIBs (e.g., repeater ports, bridge ports, physical and logical interfaces) to be identified in the physical entity hierarchy. Note that each alias identifier isonly relevant in a particular naming scope. If an agent represents a single logical entity, or multiple logical entities within a single naming scope, then implementation of this table may be omitted by the agent. The entPhysicalContainsTable contains simple mappings between 'entPhysicalContainedIn' values for each container/'containee' relationship in the managed system. The indexing of this table allows an NMS to quickly discover the 'entPhysicalIndex' values for all children of a given physical entity.

The entityGeneral group describes general system attributes shared by potentially all types of entities managed by a single agent. This group contains general information relating to the other object groups. At this time, the entGeneral group contains a single scalar object (entLastChangeTime), which represents the value of sysUptime when any part of the Entity MIB configuration last changed.

The entityNotifications group contains status indication notifications. This group contains notification definitions relating to the overall status of the Entity MIB instantiation.

The following table show the index range of each physical class of each unit in A5500EI products. In A5500EI products, there are 1 solt, 1/2 PSU, 1/0 RPS and 1 Fan as level 1 containers, and there are 3 subslots as level 2 containers. They are front panel subslot, stacking ports subslot, expansion card subslot. The max port number in a subslot is 52, including 48 RJ45 fixed ports and 4 SFP ports. Such as the figure and the table shown:

70

69

72

71

68

17

3

5

6

4

1

2

7

9

10

8

11

13

12

14

16

15

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| User sees | EntPhysicalIndex | entPhysicalClass (1.3.6.1.2.1.47.1.1.1.1.5) | EntPysicalContainedin | entPhysicalParentRelPos |
| Stack | 1 | stack (11) | 0 | -1 |
| Unit 1 | 2 | chassis (3) | 1 | 1 |
| Slot0(for board0) | 3 | container(5) | 2 | 0 |
| slot1(for PWR or PWR1) | 4 | container(5) | 2 | 1 |
| Slot2(for RPS or PWR2) | 5 | container(5) | 2 | 2 |
| slot3(for FAN) | 6 | container(5) | 2 | 3 |
| Board0(a virtual board that contains subslots) | 7 | module(9) | 3 | 0 |
| PWR | 8 | powerSupply(6) | 4 | 1 |
| RPS/PWR | 9 | powerSupply(6) | 5 | 1 |
| FAN | 10 | fan(7) | 6 | 1 |
| SubSlot0 | 11 | container(5) | 7 | 0 |
| SubSlot1 | 12 | container(5) | 7 | 1 |
| SubSlot2 | 13 | container(5) | 7 | 2 |
| SubCard0(Front Panel) | 14 | module(9) | 11 | 1 |
| SubCard1(Expan Card 1) | 15 | module(9) | 12 | 1 |
| SubCard2(Expan Card 2) | 16 | module(9) | 13 | 1 |
| Port on front panel | 17 | port(10) | 14 | 1 |
| Port on front panel | 18 | port(10) | 14 | 2 |
| … | 19 | port(10) | 14 | 3 |
| Port on expansion card 1 | 69 | port(10) | 15 | 1 |
| Port on expansion card 1 | 70 | port(10) | 15 | 2 |
| Port on expansion card 2 | 71 | port(10) | 16 | 1 |
| Port on expansion card 2 | 72 | port(10) | 16 | 2 |

## entPhysicalTable

OID of this table is :1.3.6.1.2.1.47.1.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| entPhysicalIndex (1.3.6.1.2.1.47.1.1.1.1.1) | not-accessible | No | As per MIB |
| entPhysicalDescr (1.3.6.1.2.1.47.1.1.1.1.2) | read-only | No | As per MIB |
| entPhysicalVendorType (1.3.6.1.2.1.47.1.1.1.1.3) | read-only | No | All the vendor types are listed in HH3C-ENTITY-VENDORTYPE-OID-MIB. When provided for different company, the value of this object should be described separately. |
| entPhysicalContainedIn (1.3.6.1.2.1.47.1.1.1.1.4) | read-only | No | As per MIB |
| entPhysicalClass (1.3.6.1.2.1.47.1.1.1.1.5) | read-only | No | As per MIB |
| entPhysicalParentRelPos (1.3.6.1.2.1.47.1.1.1.1.6) | read-only | No | As per MIB |
| entPhysicalName (1.3.6.1.2.1.47.1.1.1.1.7) | read-only | No | As per MIB |
| entPhysicalHardwareRev (1.3.6.1.2.1.47.1.1.1.1.8) | read-only | No | As per MIB |
| entPhysicalFirmwareRev (1.3.6.1.2.1.47.1.1.1.1.9) | read-only | No | As per MIB |
| entPhysicalSoftwareRev (1.3.6.1.2.1.47.1.1.1.1.10) | read-only | No | As per MIB |
| entPhysicalSerialNum (1.3.6.1.2.1.47.1.1.1.1.11) | read-write | No | Only supported read operation |
| entPhysicalMfgName (1.3.6.1.2.1.47.1.1.1.1.12) | read-only | No | As per MIB |
| entPhysicalModelName (1.3.6.1.2.1.47.1.1.1.1.13) | read-only | No | As per MIB |
| entPhysicalAlias (1.3.6.1.2.1.47.1.1.1.1.14) | read-write | No | Only supported read operation |
| entPhysicalAssetID (1.3.6.1.2.1.47.1.1.1.1.15) | read-write | No | Only supported read operation |
| entPhysicalIsFRU (1.3.6.1.2.1.47.1.1.1.1.16) | read-only | No | As per MIB |
| entPhysicalMfgDate (1.3.6.1.2.1.47.1.1.1.1.17) | read-only | No | As per MIB |
| entPhysicalUris (1.3.6.1.2.1.47.1.1.1.1.18) | read-write | No | Only support read operation |

In the following table, if the entity is a virtual one, the objects except for the “entPhysicalContainedIn” and “entPhysicalParentRelPos” are meaningless to that entity

### entPhysicalDescr

|  |  |
| --- | --- |
| entity | entPhysicalDescr  if the entity has value in VendorType MIB, that value will be filled in.  if No value in VendorType MIB, but some product request, the request value will be filled in.  if No value in VendorType MIB and No request, a null string will filled in. |
| Unit | For example:  “HP A5120-48G EI Switch Software Version 5.20 “ |
| Slot | CONTAINER LEVEL1 |
| SubSlot | CONTAINER LEVEL2 |
| PowerSupply | PSU |
| Fan | FAN UNIT |
| Board | NULL |
| SubCard | “HP A5500/A5120-EI 1-port 10-GbE XFP Module” for 1 XFP module  “HP A5500/A5120-EI 2-port 10-GbE XFP Module” for 2 XFP module  “HP A5500/A5120-EI 2-port 10-GbE CX4 Module” for 2 CX4 module  “HP A5500/A5120-EI 2-port 10-GbE SFP+ Module“ for 2 SFP+ module  “HP A5500/A5120-EI 2-port GbE SFP Module “ for 2 GE module |
| Port | slot/subslot/port, GigabitEthernet slot/ subslot/port, 10GigabitEthernet slot/ subslot/port |
| Fabric | HP |

|  |  |
| --- | --- |
| entity | entPhysicalVendorType(need complete VendorType MIB) |
| Unit | OBJECT IDENTIFIER ::= { hpSwitch 24 }  ------------>HPA5500-24GEISwitchwith2InterfaceSlots  OBJECT IDENTIFIER ::= { hpSwitch 25 }  ----------🡪HPA5500-48GEISwitchwith2InterfaceSlots  OBJECT IDENTIFIER ::= { hpSwitch 26 }  ----------🡪HPA5500-24G-PoE+EISwitchwith2InterfaceSlots  OBJECT IDENTIFIER ::= { hpSwitch 27 }----🡪HPA5500-48G-PoE+EISwitchwith2InterfaceSlots  OBJECT IDENTIFIER ::= { hpSwitch 28 }  -----🡪HPA5500-24G-SFPEISwitchwith2InterfaceSlots  OBJECT IDENTIFIER ::= { hpSwitch 73 }  ----------------🡪HPA5500-24G-SFPEITAA-compliantSwitchwith2InterfaceSlots  OBJECT IDENTIFIER ::= { hpSwitch 74 }  ------------🡪HPA5500-24GEITAA-compliantSwitchwith2InterfaceSlots  OBJECT IDENTIFIER ::= { hpSwitch 75 }  -----🡪HPA5500-48GEI TAA-compliantSwitchwith2InterfaceSlots  OBJECT IDENTIFIER ::= { hpSwitch 76 }  -------🡪HPA5500-24G-PoE+EITAA-compliantSwitchwith2InterfaceSlots  OBJECT IDENTIFIER ::= { hpSwitch 77 }  ---🡪HPA5500-48G-PoE+EI TAA-compliantSwitchwith2InterfaceSlots |
| Slot | null |
| SubSlot | null |
| PowerSupply | HPA5500-24G-SFPEISwitchwith2InterfaceSlots:  hh3cevtPowerSupplyAC or hh3cevtPowerSupplyDC  Others:  hh3cevtPowerSupplyAC  (1.3.6.1.4.1.25506.3.1.6.2) |
| Fan | null |
| Board | null |
| SubCard | type-LSPM1XP1P(269), -- 1-Port 10G XFP Module  type-LSPM1XP2P(270), -- 2-Port 10G XFP Module  type-LSPM1CX2P(271), -- 2-Port 10G CX4 Module  type- LSPM2GP2P (708), -- 2-Port GE SFPModule  type- LSPM2SP2P (725), -- 2-Port 10GESFP+Module |
| Port | { hh3cevtPortSwitchType 43 } -- 1000 Base-T Port  { hh3cevtPortSwitchType 44 } -- 1000 Base-SX SFP Port  { hh3cevtPortSwitchType 45 } -- 1000 Base-LX SFP Port  { hh3cevtPortSwitchType 46 } -- 1000 Base-T AN SFP Port  { hh3cevtPortSwitchType 52 } -- 100 Base-SX SFP Port  { hh3cevtPortSwitchType 53 } -- 100 Base-LX SFP Port  { hh3cevtPortSwitchType 56 } -- 100 Base-MM SFP Port  { hh3cevtPortSwitchType 57 } -- No Connector SFP Port  { hh3cevtPortSwitchType 58 } -- Unknown SFP Port  { hh3cevtPortSwitchType 49 } -- 10G Base-CX4 Port  { hh3cevtPortSwitchType 74 } -- XFP without Transceiver  { hh3cevtPortSwitchType 75 } -- 10GBASE-SR XFP Transceiver  { hh3cevtPortSwitchType 76 } -- 10GBASE-LR XFP Transceiver  { hh3cevtPortSwitchType 77 }-- 10GBASE-ER XFP Transceiver  { hh3cevtPortSwitchType 78 }-- 10GBASE-SW XFP Transceiver  { hh3cevtPortSwitchType 79 }-- 10GBASE-LW XFP Transceiver  { hh3cevtPortSwitchType 80 }-- 10GBASE-EW XFP Transceiver  { hh3cevtPortSwitchType 83 }-- Unknown XFP Transceiver  { hh3cevtPortSwitchType 192 } -10GBASE-SR SFP+ Transceiver  { hh3cevtPortSwitchType 193 }--10GBASE-LR SFP+ Transceiver  { hh3cevtPortSwitchType 194 }--10GBASE-LRM SFP+ Transceiver  { hh3cevtPortSwitchType 196 }-Unknown SFP+ Transceiver  { hh3cevtPortSwitchType 197 }-SFP+ STACK Transceiver |
| Fabric | null |

|  |  |
| --- | --- |
| entity | entPhysicalContainedIn |
| Unit | 1 |
| Slot | entPhysicalIndex of the unit |
| SubSlot | entPhysicalIndex of the slot |
| PowerSupply | entPhysicalIndex of the slot |
| Fan | entPhysicalIndex of the slot |
| Board | entPhysicalIndex of the unit |
| SubCard | entPhysicalIndex of the board |
| Port | entPhysicalIndex of the subslot |
| Fabric | 0 |

|  |  |
| --- | --- |
| entity | entPhysicalClass |
| Unit | chassis(3) |
| Slot | container(5) |
| SubSlot | container(5) |
| PowerSupply | PowerSupply(6) |
| Fan | fan(7) |
| Board | module(9) |
| SubCard | module(9) |
| Port | Port(10) |
| Fabric | stack(11) |

|  |  |
| --- | --- |
| entity | entPhysicalParentRelPos |
| Unit | see index range table above |
| Slot | see index range table above |
| SubSlot | see index range table above |
| PowerSupply | see index range table above |
| Fan | see index range table above |
| Board | see index range table above |
| SubCard | see index range table above |
| Port | see index range table above |
| Fabric | see index range table above |

|  |  |
| --- | --- |
| entity | entPhysicalName(everything can buy should be a name)the index range of monza is given at the end of the line in the brackets. |
| Unit | “A5500-EI” |
| Slot | NULL |
| SubSlot | NULL |
| PowerSupply | “PowerSupply” |
| Fan | “Fan1” |
| Board | None |
| SubCard | ”SubCard”+SubCardNO;like “SubCard0” [0..2] |
| Port | Port\_Type + UnitID/SubslotID/Port\_Number, like “GigabitEthernet 1/0/1” |
| Fabric | NULL |

|  |  |
| --- | --- |
| entity | entPhysicalHardwareRev(everything can buy should be a name) |
| Unit | PCB version of Slot0 |
| Slot | None |
| SubSlot | None |
| PowerSupply | not available |
| Fan | not available |
| Board | None, because it is a logic(virtual) entity. |
| SubCard | PCB version of SubCard |
| Port | None |
| Fabric | None |

|  |  |
| --- | --- |
| entity | entPhysicalFirmwareRev(everything can buy should be a name) |
| Unit | Bootrom version of Slot0 |
| Slot | None |
| SubSlot | None |
| PowerSupply | None |
| Fan | None |
| Board | None, because it is a logic(virtual) entity. |
| SubCard | None |
| Port | None |
| Fabric | None |

|  |  |
| --- | --- |
| entity | entPhysicalSoftwareRev(used in Technique Supported) |
| Unit | The first version is 5.20 Alpha 2101 |
| Slot | None |
| SubSlot | None |
| PowerSupply | None |
| Fan | None |
| Board | The current software version of the board. For example Release 2210 |
| SubCard | None |
| Port | None |
| Fabric | None |

|  |  |
| --- | --- |
| entity | entPhysicalSerialNum |
| Unit | Customer Visible Serial Number |
| Slot | None |
| SubSlot | None |
| PowerSupply | None |
| Fan | None |
| Board | None |
| SubCard | none |
| Port | If SFP or XFP ports, the entPhysicalSerialNum should be the serial number of the optical module |
| Fabric | None |

|  |  |
| --- | --- |
| entity | entPhysicalMfgName must provided |
| Unit | A string “HP” |
| Slot | None |
| SubSlot | None |
| PowerSupply | None |
| Fan | None |
| Board | None |
| SubCard | A string “HP” |
| Port | The name of the Manufacture of this physical component :  None : The Port is not SFP or there is SFP cage but the SFP module does not exist.  If there is SFP module, the string may be “HH3C” or "unknown manufacture" |
| Fabric | A string “HP” |

|  |  |
| --- | --- |
| entity | entPhysicalModelName confirm to each entry3C Number  chassis |
| Unit | JD374A HP A5500-24G-SFP EI Switch with 2 Interface Slots  JD375A HP A5500-48G EI Switch with 2 Interface Slots  JG240A HP A5500-48G-PoE+ EI Switch with 2 Interface Slots  JD377A HP A5500-24G EI Switch with 2 Interface Slots  JG241A HP A5500-24G-PoE+ EI Switch with 2 Interface Slots  JG249A HP A5500-24G-SFP EI TAA-compliant Switch with 2 Interface Slots  JG250A HP A5500-24G EI TAA-compliant Switch with 2 Interface Slots  JG251A HP A5500-48G EI TAA-compliant Switch with 2 Interface Slots  JG252A HP A5500-24G-PoE+ EI TAA-compliant Switch with 2 Interface Slots  JG253A HP A5500-48G-PoE+ EI TAA-compliant Switch with 2 Interface Slots |
| Slot | None |
| SubSlot | None |
| PowerSupply | none |
| Fan | none |
| Board | None, because it is a logic(virtual) entity. |
| SubCard | “LSPM1XP2P” for 2-Port 10G XFP Module  “LSPM1XP1P” for 1-Port 10G XFP Module  “LSPM1CX2P” for 2-Port 10G CX4 Module  “LSPM2SP2P” for 2-Port 10G SFP+ Module  ” LSPM2GP2P” for 2-Port GE Module |
| Port | None |
| Fabric | None |

|  |  |
| --- | --- |
| entity | entPhysicalAlias |
| Unit | None |
| Slot | none |
| SubSlot | None |
| PowerSupply | None |
| Fan | None |
| Board | None |
| SubCard | None |
| Port | None |
| Fabric | none |

|  |  |
| --- | --- |
| entity | entPhysicalAssetID |
| Unit | None |
| Slot | None |
| SubSlot | None |
| PowerSupply | None |
| Fan | None |
| Board | None |
| SubCard | None |
| Port | None |
| Fabric | None |

|  |  |
| --- | --- |
| entity | entPhysicalIsFRU |
| Unit | True(1) |
| Slot | False(2) |
| SubSlot | False(2) |
| PowerSupply | False(2) |
| Fan | False(2) |
| Board | False(2) |
| SubCard | True(1) |
| Port | If a SFP(that is optical module) port, True(1); else, False(2) |
| Fabric | False(2) |

|  |  |
| --- | --- |
| entity | entPhysicalMfgDate |
| Unit | Yes |
| Slot | None |
| SubSlot | None |
| PowerSupply | None |
| Fan | None |
| Board | Yes |
| SubCard | None |
| Port | None |
| Fabric | None |

|  |  |
| --- | --- |
| entity | entPhysicalUris |
| Unit | Yes |
| Slot | None |
| SubSlot | None |
| PowerSupply | None |
| Fan | None |
| Board | Yes |
| SubCard | None |
| Port | None |
| Fabric | None |

## entAliasMappingTable

OID of this table is :1.3.6.1.2.1.47.1.3.2

Introduction: this table will be applied to ports. The input is the EntPhysicalIndex of ports, the output is the IfIndex of port. Any port supported in entPhysicalTable will be supported here.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| entAliasLogicalIndexOrZero (1.3.6.1.2.1.47.1.3.2.1.1) | not-accessible | No | As per MIB |
| entAliasMappingIdentifier (1.3.6.1.2.1.47.1.3.2.1.2) | read-only | No | As per MIB |

## entPhysicalContainsTable

OID of this table is :1.3.6.1.2.1.47.1.3.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| entPhysicalChildIndex (1.3.6.1.2.1.47.1.3.3.1.1) | read-only | No | As per MIB |

# DISMAN-PING-MIB

This MIB should be supported by device which implements disman ping function. **This MIB cannot mix using with CLI.**

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| pingMaxConcurrentRequests (1.3.6.1.2.1.80.1.1) | read-write | Current | The max value is 5. |

## pingCtlTable

OID of this table is :1.3.6.1.2.1.80.1.2

* 1. The parameter which is not supported by the corresponding pingCtlType cannot be configured.
  2. When creating a test entry, the default value of pingCtlType is pingIcmpEcho. Once created, pingCtlType cannot be changed, so pingCtlType must be set as the entry created.
  3. When creating an entry, if the parameter which is not supported by the corresponding pingCtlType is set, the operation will be failed.
  4. Any of the configurations in pingCtlTable changed, the corresponding results, histories and statistics will be cleared, except the following objects:

pingCtlTrapGeneration,

pingCtlTrapProbeFailureFilter,

pingCtlTrapTestFailureFilter,

pingCtlDescr,

pingCtlMaxRows(If the value of this object is smaller than the previous value, the redundant histories records will be deleted.)

The results, histories and statistics must be the factual reflection of the test results of current configurations.

Users will be puzzled when they get the results which caused by the previous configurations.

* 1. pingCtlTargetAddressType and pingCtlTargetAddress must be modified together.
  2. pingCtlSourceAddressType and pingCtlSourceAddress must be modified together.
  3. If the parameter which is not supported by the corresponding pingCtlType is read, the result is invalid.

The following objects are supported by all pingCtlTypes:

pingCtlOwnerIndex, pingCtlTestName, pingCtlTimeOut,

pingCtlAdminStatus, pingCtlFrequency, pingCtlMaxRows,

pingCtlStorageType, pingCtlTrapGeneration, pingCtlType, pingCtlDescr, pingCtlRowStatus

The remainder objects is supported by part of pingCtlTypes.

The relationship between these objects and corresponding pingCtlType are described in the following table:

|  |  |
| --- | --- |
| **Value of pingCtlType** | **Support parameters** |
| pingIcmpEcho | pingCtlTargetAddressType  pingCtlTargetAddress  pingCtlDataSize  pingCtlDataFill  pingCtlSourceAddressType  pingCtlSourceAddress  pingCtlIfIndex  pingCtlByPassRouteTable  pingCtlDSField  pingCtlProbeCount  pingCtlTrapProbeFailureFilter  pingCtlTrapTestFailureFilter |
| pingUdpEcho  hh3cNqaUdpEcho or hh3cpingUdpEcho | pingCtlTargetAddressType  pingCtlTargetAddress  pingCtlDataSize  pingCtlDataFill  pingCtlSourceAddressType  pingCtlSourceAddress  pingCtlByPassRouteTable  pingCtlDSField  pingCtlProbeCount  pingCtlTrapProbeFailureFilter  pingCtlTrapTestFailureFilter |
| pingSnmpQuery | pingCtlTargetAddressType  pingCtlTargetAddress  pingCtlSourceAddressType  pingCtlSourceAddress  pingCtlByPassRouteTable  pingCtlDSField  pingCtlProbeCount  pingCtlTrapProbeFailureFilter  pingCtlTrapTestFailureFilter |
| pingTcpConnectionAttempt  hh3cNqaTcpconnect or  hh3cpingTcpconnect | pingCtlTargetAddressType  pingCtlTargetAddress  pingCtlSourceAddressType  pingCtlSourceAddress  pingCtlByPassRouteTable  pingCtlDSField  pingCtlProbeCount  pingCtlTrapProbeFailureFilter  pingCtlTrapTestFailureFilter |
| hh3cNqajitter ( for udp-jitter test)  hh3cNqaCtlCodecType is defined as notDefined(1) | pingCtlTargetAddressType  pingCtlTargetAddress  pingCtlDataSize  pingCtlDataFill  pingCtlSourceAddressType  pingCtlSourceAddress  pingCtlByPassRouteTable  pingCtlDSField  pingCtlProbeCount  pingCtlTrapProbeFailureFilter  pingCtlTrapTestFailureFilter |
| hh3cNqajitter (for voice test)  hh3cNqaCtlCodecType is defined as g711Alaw(2)、g711Ulaw(3) or g729A(4) | pingCtlTargetAddressType  pingCtlTargetAddress  pingCtlDataSize  pingCtlDataFill  pingCtlSourceAddressType  pingCtlSourceAddress  pingCtlByPassRouteTable  pingCtlDSField |
| hh3cNqaHttp | pingCtlTargetAddressType  pingCtlTargetAddress  pingCtlSourceAddressType  pingCtlSourceAddress  pingCtlByPassRouteTable  pingCtlDSField  pingCtlProbeCount  pingCtlTrapProbeFailureFilter  pingCtlTrapTestFailureFilter |
| hh3cNqadlsw | pingCtlTargetAddressType  pingCtlTargetAddress  pingCtlSourceAddressType  pingCtlSourceAddress  pingCtlByPassRouteTable  pingCtlDSField  pingCtlProbeCount  pingCtlTrapProbeFailureFilter  pingCtlTrapTestFailureFilter |
| hh3cNqadhcp | pingCtlIfIndex  pingCtlProbeCount  pingCtlTrapProbeFailureFilter  pingCtlTrapTestFailureFilter |
| hh3cNqaftp | pingCtlTargetAddressType  pingCtlTargetAddress  pingCtlSourceAddressType  pingCtlSourceAddress  pingCtlByPassRouteTable  pingCtlDSField  pingCtlProbeCount  pingCtlTrapProbeFailureFilter  pingCtlTrapTestFailureFilter |

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| pingCtlOwnerIndex (1.3.6.1.2.1.80.1.2.1.1) | not-accessible | Current | The uppercase letters in this string will be converted to lowercase letters in setting operation. The value of this object cannot contain ‘-‘. |
| pingCtlTestName (1.3.6.1.2.1.80.1.2.1.2) | not-accessible | Current | The uppercase letters in this string will be converted to lowercase letters in setting operation. The value of this object cannot contain ‘-‘. |
| pingCtlTargetAddressType (1.3.6.1.2.1.80.1.2.1.3) | read-create | Current | Only support ipv4(1) and unknown(0). |
| pingCtlTargetAddress (1.3.6.1.2.1.80.1.2.1.4) | read-create | Current | If the value of pingCtlTargetAddressType is ipv4(1), the value of this object must be ipv4 address.  If the value of pingCtlTargetAddressType is unknown(0), the value of this object must be zero-length string. |
| pingCtlDataSize (1.3.6.1.2.1.80.1.2.1.5) | read-create | Current | An IP packet has a maximum size of 8100 octets, not including the size of the ICMP or UDP header (both 8 octets) and the size of the IP header (20 octets). 0 octets means system use the default packet size.  When doing icmp or udp test, the range is from 20 to 8100. When doing JITTER test, the range is form 68 to 8100 and the default value is 100.  When doing voice test, the range is from 16 to 1500, and if the codec-type is g711a or g711u, the default value is 172, or else the default value is 32. |
| pingCtlTimeOut (1.3.6.1.2.1.80.1.2.1.6) | read-create | Current | If the value is not times of seconds(set by CLI), the result of reading operation is inaccurate.  Such as: If the value set by CLI is 1050ms, the result of reading operation is 2s.  If the value exceeds 60s(set by CLI), the result of reading operation is 60s.  When doing voice test, default value is 5s, or else the default value is 3s |
| pingCtlProbeCount (1.3.6.1.2.1.80.1.2.1.7) | read-create | Current | For voice test, the value of this object only can set 1 |
| pingCtlAdminStatus (1.3.6.1.2.1.80.1.2.1.8) | read-create | Current | As per MIB |
| pingCtlDataFill (1.3.6.1.2.1.80.1.2.1.9) | read-create | Current | The length of this object is from 0 to 200. |
| pingCtlFrequency (1.3.6.1.2.1.80.1.2.1.10) | read-create | Current | Range from 0 to 604800  If the value is not times of seconds (set by CLI), the result of reading operation is inaccurate.  Such as: If the value set by CLI is 1050ms, the result of reading operation is 2s.  When doing voice test, default value is 60s, or else the default value is 0s.  If the value of this object is 0, statistics will not be created. |
| pingCtlMaxRows (1.3.6.1.2.1.80.1.2.1.11) | read-create | Current | Range from 0 to 50. |
| pingCtlStorageType (1.3.6.1.2.1.80.1.2.1.12) | read-only | Current | As per MIB |
| pingCtlTrapGeneration (1.3.6.1.2.1.80.1.2.1.13) | read-create | Current | For voice test, Only pingTestCompleted(2) is supported. |
| pingCtlTrapProbeFailureFilter (1.3.6.1.2.1.80.1.2.1.14) | read-create | Current | Range from 1 to 15.  This object cannot be configured before the corresponding type(probeFailure) in pingCtlTrapGeneration is specified.  If the value of pingCtlTrapGeneration does not contain probeFailure, the value of this object is 1.  For voice test, this object is invalid. |
| pingCtlTrapTestFailureFilter (1.3.6.1.2.1.80.1.2.1.15) | read-create | Current | Range from 1 to 15.  This object cannot be configured before the corresponding type(testFailure) in pingCtlTrapGeneration is specified.  If the value of pingCtlTrapGeneration does not contain testFailure, the value of this object is 1.  For voice test, this object is invalid. |
| pingCtlType (1.3.6.1.2.1.80.1.2.1.16) | read-create | Current | Can not be modified after creation. |
| pingCtlDescr (1.3.6.1.2.1.80.1.2.1.17) | read-create | Current | The length of this object is from 0 to 200. The value cannot begin with space. |
| pingCtlSourceAddressType (1.3.6.1.2.1.80.1.2.1.18) | read-create | Current | Only support ipv4(1) and unknown(0).  Default value is unknown(0). |
| pingCtlSourceAddress (1.3.6.1.2.1.80.1.2.1.19) | read-create | Current | If the value of pingCtlSourceAddressType is ipv4(1), the value of this object must be ipv4 address.  If the value of pingCtlSourceAddressType is unknown(0), the value of this object must be zero-length string. |
| pingCtlIfIndex (1.3.6.1.2.1.80.1.2.1.20) | read-create | Current | The type of interface must be layer three Ethernet interface or vlan interface. |
| pingCtlByPassRouteTable (1.3.6.1.2.1.80.1.2.1.21) | read-create | Current | As per MIB |
| pingCtlDSField (1.3.6.1.2.1.80.1.2.1.22) | read-create | Current | As per MIB |
| pingCtlRowStatus (1.3.6.1.2.1.80.1.2.1.23) | read-create | No | Only support active(1), createAndgo(4) and destroy(6). |

## pingResultsTable

OID of this table is :1.3.6.1.2.1.80.1.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| pingResultsOperStatus (1.3.6.1.2.1.80.1.3.1.1) | read-only | No | As per MIB |
| pingResultsIpTargetAddressType (1.3.6.1.2.1.80.1.3.1.2) | read-only | No | As per MIB |
| pingResultsIpTargetAddress (1.3.6.1.2.1.80.1.3.1.3) | read-only | No | As per MIB |
| pingResultsMinRtt (1.3.6.1.2.1.80.1.3.1.4) | read-only | No | As per MIB |
| pingResultsMaxRtt (1.3.6.1.2.1.80.1.3.1.5) | read-only | No | As per MIB |
| pingResultsAverageRtt (1.3.6.1.2.1.80.1.3.1.6) | read-only | No | As per MIB |
| pingResultsProbeResponses (1.3.6.1.2.1.80.1.3.1.7) | read-only | No | As per MIB |
| pingResultsSentProbes (1.3.6.1.2.1.80.1.3.1.8) | read-only | No | As per MIB |
| pingResultsRttSumOfSquares (1.3.6.1.2.1.80.1.3.1.9) | read-only | No | As per MIB |
| pingResultsLastGoodProbe (1.3.6.1.2.1.80.1.3.1.10) | read-only | No | As per MIB |

## pingProbeHistoryTable

OID of this table is :1.3.6.1.2.1.80.1.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| pingProbeHistoryIndex (1.3.6.1.2.1.80.1.4.1.1) | not-accessible | No | As per MIB |
| pingProbeHistoryResponse (1.3.6.1.2.1.80.1.4.1.2) | read-only | No | As per MIB |
| pingProbeHistoryStatus (1.3.6.1.2.1.80.1.4.1.3) | read-only | No | The result of a particular probe done by a remote host. |
| pingProbeHistoryLastRC (1.3.6.1.2.1.80.1.4.1.4) | read-only | No | Not supported |
| pingProbeHistoryTime (1.3.6.1.2.1.80.1.4.1.5) | read-only | No | As per MIB |

# DOT3-OAM-MIB

## dot3OamTable

OID of this table is :1.3.6.1.2.1.158.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot3OamAdminState (1.3.6.1.2.1.158.1.1.1.1) | read-write | Current | As per MIB |
| dot3OamOperStatus (1.3.6.1.2.1.158.1.1.1.2) | read-only | No | As per MIB |
| dot3OamMode (1.3.6.1.2.1.158.1.1.1.3) | read-write | Current | As per MIB |
| dot3OamMaxOamPduSize (1.3.6.1.2.1.158.1.1.1.4) | read-only | No | As per MIB |
| dot3OamConfigRevision (1.3.6.1.2.1.158.1.1.1.5) | read-only | No | As per MIB |
| dot3OamFunctionsSupported (1.3.6.1.2.1.158.1.1.1.6) | read-only | No | As per MIB |

## dot3OamPeerTable

OID of this table is :1.3.6.1.2.1.158.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot3OamPeerMacAddress (1.3.6.1.2.1.158.1.2.1.1) | read-only | No | As per MIB |
| dot3OamPeerVendorOui (1.3.6.1.2.1.158.1.2.1.2) | read-only | No | Not supported |
| dot3OamPeerVendorInfo (1.3.6.1.2.1.158.1.2.1.3) | read-only | No | Not supported |
| dot3OamPeerMode (1.3.6.1.2.1.158.1.2.1.4) | read-only | No | As per MIB |
| dot3OamPeerMaxOamPduSize (1.3.6.1.2.1.158.1.2.1.5) | read-only | No | As per MIB |
| dot3OamPeerConfigRevision (1.3.6.1.2.1.158.1.2.1.6) | read-only | No | As per MIB |
| dot3OamPeerFunctionsSupported (1.3.6.1.2.1.158.1.2.1.7) | read-only | No | As per MIB |

## dot3OamStatsTable

OID of this table is :1.3.6.1.2.1.158.1.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot3OamInformationTx (1.3.6.1.2.1.158.1.4.1.1) | read-only | No | As per MIB |
| dot3OamInformationRx (1.3.6.1.2.1.158.1.4.1.2) | read-only | No | As per MIB |
| dot3OamUniqueEventNotificationTx (1.3.6.1.2.1.158.1.4.1.3) | read-only | No | As per MIB |
| dot3OamUniqueEventNotificationRx (1.3.6.1.2.1.158.1.4.1.4) | read-only | No | As per MIB |
| dot3OamDuplicateEventNotificationTx (1.3.6.1.2.1.158.1.4.1.5) | read-only | No | As per MIB |
| dot3OamDuplicateEventNotificationRx (1.3.6.1.2.1.158.1.4.1.6) | read-only | No | As per MIB |
| dot3OamLoopbackControlTx (1.3.6.1.2.1.158.1.4.1.7) | read-only | No | As per MIB |
| dot3OamLoopbackControlRx (1.3.6.1.2.1.158.1.4.1.8) | read-only | No | As per MIB |
| dot3OamVariableRequestTx (1.3.6.1.2.1.158.1.4.1.9) | read-only | No | Not Supported |
| dot3OamVariableRequestRx (1.3.6.1.2.1.158.1.4.1.10) | read-only | No | Not Supported |
| dot3OamVariableResponseTx (1.3.6.1.2.1.158.1.4.1.11) | read-only | No | Not Supported |
| dot3OamVariableResponseRx (1.3.6.1.2.1.158.1.4.1.12) | read-only | No | Not Supported |
| dot3OamOrgSpecificTx (1.3.6.1.2.1.158.1.4.1.13) | read-only | No | Not Supported |
| dot3OamOrgSpecificRx (1.3.6.1.2.1.158.1.4.1.14) | read-only | No | Not Supported |
| dot3OamUnsupportedCodesTx (1.3.6.1.2.1.158.1.4.1.15) | read-only | No | Not Supported |
| dot3OamUnsupportedCodesRx (1.3.6.1.2.1.158.1.4.1.16) | read-only | No | Not Supported |
| dot3OamFramesLostDueToOam (1.3.6.1.2.1.158.1.4.1.17) | read-only | No | Not Supported |

## dot3OamEventConfigTable

OID of this table is :1.3.6.1.2.1.158.1.5

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot3OamErrSymPeriodWindowHi (1.3.6.1.2.1.158.1.5.1.1) | read-write | Current | Not supported |
| dot3OamErrSymPeriodWindowLo (1.3.6.1.2.1.158.1.5.1.2) | read-write | Current | Not supported |
| dot3OamErrSymPeriodThresholdHi (1.3.6.1.2.1.158.1.5.1.3) | read-write | Current | Not supported |
| dot3OamErrSymPeriodThresholdLo (1.3.6.1.2.1.158.1.5.1.4) | read-write | Current | Not supported |
| dot3OamErrSymPeriodEvNotifEnable (1.3.6.1.2.1.158.1.5.1.5) | read-write | Current | Not supported |
| dot3OamErrFramePeriodWindow (1.3.6.1.2.1.158.1.5.1.6) | read-write | Current | Range from 100 to 60000, the default value is 1000. |
| dot3OamErrFramePeriodThreshold (1.3.6.1.2.1.158.1.5.1.7) | read-write | Current | As per MIB |
| dot3OamErrFramePeriodEvNotifEnable (1.3.6.1.2.1.158.1.5.1.8) | read-write | No | As per MIB |
| dot3OamErrFrameWindow (1.3.6.1.2.1.158.1.5.1.9) | read-write | Current | Range from 10 to 600. |
| dot3OamErrFrameThreshold (1.3.6.1.2.1.158.1.5.1.10) | read-write | Current | As per MIB |
| dot3OamErrFrameEvNotifEnable (1.3.6.1.2.1.158.1.5.1.11) | read-write | No | As per MIB |
| dot3OamErrFrameSecsSummaryWindow (1.3.6.1.2.1.158.1.5.1.12) | read-write | Current | As per MIB |
| dot3OamErrFrameSecsSummaryThreshold (1.3.6.1.2.1.158.1.5.1.13) | read-write | Current | As per MIB |
| dot3OamErrFrameSecsEvNotifEnable (1.3.6.1.2.1.158.1.5.1.14) | read-write | No | As per MIB |
| dot3OamDyingGaspEnable (1.3.6.1.2.1.158.1.5.1.15) | read-write | Current | Not supported |
| dot3OamCriticalEventEnable (1.3.6.1.2.1.158.1.5.1.16) | read-write | Current | Not supported |

## dot3OamEventLogTable

OID of this table is :1.3.6.1.2.1.158.1.6

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot3OamEventLogIndex (1.3.6.1.2.1.158.1.6.1.1) | read-only | No | The max value is 100.All of the objects of this table saves the conditions in the latest event. |
| dot3OamEventLogTimestamp (1.3.6.1.2.1.158.1.6.1.2) | read-only | No | As per MIB |
| dot3OamEventLogOui (1.3.6.1.2.1.158.1.6.1.3) | read-only | No | As per MIB |
| dot3OamEventLogType (1.3.6.1.2.1.158.1.6.1.4) | read-only | No | As per MIB |
| dot3OamEventLogLocation (1.3.6.1.2.1.158.1.6.1.5) | read-only | No | As per MIB |
| dot3OamEventLogWindowHi (1.3.6.1.2.1.158.1.6.1.6) | read-only | No | As per MIB |
| dot3OamEventLogWindowLo (1.3.6.1.2.1.158.1.6.1.7) | read-only | No | As per MIB |
| dot3OamEventLogThresholdHi (1.3.6.1.2.1.158.1.6.1.8) | read-only | No | As per MIB |
| dot3OamEventLogThresholdLo (1.3.6.1.2.1.158.1.6.1.9) | read-only | No | As per MIB |
| dot3OamEventLogValue (1.3.6.1.2.1.158.1.6.1.10) | read-only | No | As per MIB |
| dot3OamEventLogRunningTotal (1.3.6.1.2.1.158.1.6.1.11) | read-only | No | As per MIB |
| dot3OamEventLogEventTotal (1.3.6.1.2.1.158.1.6.1.12) | read-only | No | As per MIB |

# SFLOW-MIB

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| sFlowVersion (1.3.6.1.4.1.14706.1.1.1) | read-only | No | As per MIB |
| sFlowAgentAddressType (1.3.6.1.4.1.14706.1.1.2) | read-only | No | As per MIB |
| sFlowAgentAddress (1.3.6.1.4.1.14706.1.1.3) | read-only | No | As per MIB |

## sFlowRcvrTable

OID of this table is :1.3.6.1.4.1.14706.1.1.4

Permanent entries can be configured by command line. The sFlowRcvrTimeout and sFlowRcvrAddress of permanent entries can’t be alterable via SNMP. The SNMP can’t unclaim an permanent entry.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| sFlowRcvrIndex (1.3.6.1.4.1.14706.1.1.4.1.1) | not-accessible | No | Range from 1 to 10. |
| sFlowRcvrOwner (1.3.6.1.4.1.14706.1.1.4.1.2) | read- write | No | When claim an sFlowRcvrTable entry, the entity taking control of the sampler must set both the owner and a value for sFlowRcvrTimeout in the same SNMP set request. |
| sFlowRcvrTimeout (1.3.6.1.4.1.14706.1.1.4.1.3) | read- write | No | When reading a permanent sFlowRcvrTable entry. the value will be -1. |
| sFlowRcvrMaximumDatagramSize (1.3.6.1.4.1.14706.1.1.4.1.4) | read- write | No | Range from 200 to 3000. |
| sFlowRcvrAddressType (1.3.6.1.4.1.14706.1.1.4.1.5) | read- write | No | As per MIB |
| sFlowRcvrAddress (1.3.6.1.4.1.14706.1.1.4.1.6) | read- write | No | As per MIB |
| sFlowRcvrPort (1.3.6.1.4.1.14706.1.1.4.1.7) | read- write | No | As per MIB |
| sFlowRcvrDatagramVersion (1.3.6.1.4.1.14706.1.1.4.1.8) | read- write | No | Only support V5. |

## sFlowFsTable

OID of this table is :1.3.6.1.4.1.14706.1.1.5

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| sFlowFsDataSource (1.3.6.1.4.1.14706.1.1.5.1.1) | not-accessible | Current | As per MIB |
| sFlowFsInstance (1.3.6.1.4.1.14706.1.1.5.1.2) | not-accessible | Current | When setting the sFlowFsTable  , this value must be 1. Only one instance is supported for one datasource on device. |
| sFlowFsReceiver (1.3.6.1.4.1.14706.1.1.5.1.3) | read- write | Current | The range depends on sFlowRcvrTable. When the receiver expires. the value is not changed. |
| sFlowFsPacketSamplingRate (1.3.6.1.4.1.14706.1.1.5.1.4) | read- write | Current | The range is product specific. A sampling rate of 0 disables sampling. |
| sFlowFsMaximumHeaderSize (1.3.6.1.4.1.14706.1.1.5.1.5) | read- write | Current | Range from 18 to 512. |

## sFlowCpTable

OID of this table is :1.3.6.1.4.1.14706.1.1.6

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| sFlowCpDataSource (1.3.6.1.4.1.14706.1.1.6.1.1) | not-accessible | Current | As per MIB |
| sFlowCpInstance (1.3.6.1.4.1.14706.1.1.6.1.2) | not-accessible | Current | When setting the sFlowCpTable  , this value must be 1. Only one instance is supported for one datasource on device. |
| sFlowCpReceiver (1.3.6.1.4.1.14706.1.1.6.1.3) | read- write | Current | The range depends on sFlowRcvrTable. When the receiver expires. The value is not changed. |
| sFlowCpInterval (1.3.6.1.4.1.14706.1.1.6.1.4) | read- write | Current | Range from 2 to 86400. A sampling interval of 0 disables counter sampling. |

# SNMP-TARGET-MIB

snmpTargetAddrTable and snmpTargetParamsTable combined are used to create a valid target host row in device. The command line corresponding to this entry can be displayed as “snmp-agent target-host trap address udp-domain …”. There are some rules need conformed with.

For a valid target host entry which is made up of one entry in snmpTargetAddrTable and another entry in snmpTargetParamsTable:

1. The value of snmpTargetAddrName is the same as the value of snmpTargetAddrParams.
2. The value of snmpTargetAddrParams is the same as the value of snmpTargetParamsName.
3. The value format of snmpTargetAddrName is something like “traphost.” + snmpTargetParamsSecurityName + IpAddress+ VPN Instance name.. The IpAddress is the ip address part of snmpTargetAddrTAddress. If not support VPN，VPN Instance name does not need to be configured.
4. The value of snmpTargetAddrTagList must be octect string “TrapHost”.
5. For IPV4, the value of snmpTargetAddrTDomain must be snmpUDPDomain. For IPv6, the value of snmpTargetAddrTDomain must be transportDomainUdpIpv6.
6. The value of snmpTargetAddrStorageType should be nonVolatile.
7. The length of snmpTargetParamsSecurityName in snmpTargetAddrParams restricted in 1 to 32 octets.
8. The length of VPN Instance name in snmpTargetAddrParams restricted in 1 to 31 octets.

## Scalar objects of snmpTargetObjects group

OID of this table is :1.3.6.1.6.3.12.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| snmpTargetSpinLock (1.3.6.1.6.3.12.1.1) | read-write | No | As per MIB |
| snmpUnavailableContexts (1.3.6.1.6.3.12.1.4) | read-only | No | As per MIB |
| snmpUnknownContexts (1.3.6.1.6.3.12.1.5) | read-only | No | As per MIB |

## snmpTargetAddrTable

OID of this table is :1.3.6.1.6.3.12.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| snmpTargetAddrName (1.3.6.1.6.3.12.1.2.1.1) | not-accessible | Current | The length of snmpTargetAddrName is from 1 to 255. The ASCII value of the characters of this object should be from 33 to 126 except 63(‘?’). |
| snmpTargetAddrTDomain (1.3.6.1.6.3.12.1.2.1.2) | read-create | Current | This object should be transportDomainUdpIpv6 or snmpUDPDomain |
| snmpTargetAddrTAddress (1.3.6.1.6.3.12.1.2.1.3) | read-create | Current | The IpAddress should be the ip address part of snmpTargetAddrTAddress |
| snmpTargetAddrTimeout (1.3.6.1.6.3.12.1.2.1.4) | read-create | No | As per MIB |
| snmpTargetAddrRetryCount (1.3.6.1.6.3.12.1.2.1.5) | read-create | No | As per MIB |
| snmpTargetAddrTagList (1.3.6.1.6.3.12.1.2.1.6) | read-create | Current | The ASCII value of the characters of this object should be from 33 to 126 except 63(‘?’). The target host is valid only when the value of this object is “TrapHost”, |
| snmpTargetAddrParams (1.3.6.1.6.3.12.1.2.1.7) | read-create | Current | The length of snmpTargetAddrParams is from 1 to 255. The ASCII value of the characters of this object should be from 33 to 126 except 63(‘?’). |
| snmpTargetAddrStorageType (1.3.6.1.6.3.12.1.2.1.8) | read-create | Current | The conceptual row can be created, modified and deleted. It can be modified to other values, but only ‘nonVolatile’ is valid. |
| snmpTargetAddrRowStatus (1.3.6.1.6.3.12.1.2.1.9) | read-create | Current | As per MIB |

## snmpTargetParamsTable

OID of this table is :1.3.6.1.6.3.12.1.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| snmpTargetParamsName (1.3.6.1.6.3.12.1.3.1.1) | not-accessible | Current | The length of snmpTargetParamsName is from 1 to 255. The ASCII value of the characters of this object should be from 33 to 126 except 63(‘?’). |
| snmpTargetParamsMPModel (1.3.6.1.6.3.12.1.3.1.2) | read-create | Current | As per MIB |
| snmpTargetParamsSecurityModel (1.3.6.1.6.3.12.1.3.1.3) | read-create | Current | As per MIB |
| snmpTargetParamsSecurityName (1.3.6.1.6.3.12.1.3.1.4) | read-create | Current | As per MIB |
| snmpTargetParamsSecurityLevel (1.3.6.1.6.3.12.1.3.1.5) | read-create | Current | As per MIB |
| snmpTargetParamsStorageType (1.3.6.1.6.3.12.1.3.1.6) | read-create | Current | The conceptual row can be created, modified and deleted. It can be modified to other values, but only ‘nonVolatile’ is valid. |
| snmpTargetParamsRowStatus (1.3.6.1.6.3.12.1.3.1.7) | read-create | Current | As per MIB |

(1)The following is an example:

\*\*\*\*\* SNMP QUERY STARTED \*\*\*\*\*

1: snmpTargetSpinLock.0 (integer) 13736

2: [Loaded: SNMPv2-TM] snmpTargetAddrTDomain.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (object identifier) snmpUDPDomain

3: snmpTargetAddrTAddress.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (octet string) A9.FE.4C.4C.00.A2 (hex)

4: snmpTargetAddrTimeout.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (integer) 1500

5: snmpTargetAddrRetryCount.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (integer) 3

6: snmpTargetAddrTagList.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (octet string) TrapHost [54.72.61.70.48.6F.73.74 (hex)]

7: snmpTargetAddrParams.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (octet string) traphost.gl.169.254.76.76 [74.72.61.70.68.6F.73.74.2E.67.6C.2E.31.36.39.2E.32.35.34.2E.37.36.2E.37.36 (hex)]

8: snmpTargetAddrStorageType.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (integer) nonVolatile(3)

9: snmpTargetAddrRowStatus.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (integer) active(1)

10: snmpTargetParamsMPModel.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (integer) 0

11: snmpTargetParamsSecurityModel.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (integer) 1

12: snmpTargetParamsSecurityName.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (octet string) gl [67.6C (hex)]

13: snmpTargetParamsSecurityLevel.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (integer) noAuthNoPriv(1)

14: snmpTargetParamsStorageType.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (integer) nonVolatile(3)

15: snmpTargetParamsRowStatus.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (integer) active(1)

16: snmpUnavailableContexts.0 (counter) 0

17: snmpUnknownContexts.0 (counter) 0

\*\*\*\*\* SNMP QUERY FINISHED \*\*\*\*\*

Above is a retrieve for SNMP TARGET entry.

Here the index of this entry is 116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54, which is the hex code of string "traphost.gl.169.254.76.76"

The first part, 116.114.97.112.104.111.115.116.46, is hex code of "traphost." string.

The second part, 103.108.46, is ascii code of "gl.".

The last part, 46.49.54.57.46.50.53.52.46.55.54.46.55.54, is hex code of "169.254.76.76".

(2)The following is an example for supporting VPN:

\*\*\*\*\* SNMP QUERY STARTED \*\*\*\*\*

1: snmpTargetSpinLock.0 (integer) 26470

2: snmpTargetAddrTDomain.116.114.97.112.104.111.115.116.46.112.117.98.108.105.99.46.49.46.49.46.49.46.49.46.118.112.110 (object identifier) snmpUDPDomain

3: snmpTargetAddrTAddress.116.114.97.112.104.111.115.116.46.112.117.98.108.105.99.46.49.46.49.46.49.46.49.46.118.112.110 (octet string) 01.01.01.01.00.A2 (hex)

4: snmpTargetAddrTimeout.116.114.97.112.104.111.115.116.46.112.117.98.108.105.99.46.49.46.49.46.49.46.49.46.118.112.110 (integer) 1500

5: snmpTargetAddrRetryCount.116.114.97.112.104.111.115.116.46.112.117.98.108.105.99.46.49.46.49.46.49.46.49.46.118.112.110 (integer) 3

6: snmpTargetAddrTagList.116.114.97.112.104.111.115.116.46.112.117.98.108.105.99.46.49.46.49.46.49.46.49.46.118.112.110 (octet string) TrapHost [54.72.61.70.48.6F.73.74 (hex)]

7: snmpTargetAddrParams.116.114.97.112.104.111.115.116.46.112.117.98.108.105.99.46.49.46.49.46.49.46.49.46.118.112.110 (octet string) traphost.public.1.1.1.1.vpn [74.72.61.70.68.6F.73.74.2E.70.75.62.6C.69.63.2E.31.2E.31.2E.31.2E.31.2E.76.70.6E (hex)]

8: snmpTargetAddrStorageType.116.114.97.112.104.111.115.116.46.112.117.98.108.105.99.46.49.46.49.46.49.46.49.46.118.112.110 (integer) nonVolatile(3)

9: snmpTargetAddrRowStatus.116.114.97.112.104.111.115.116.46.112.117.98.108.105.99.46.49.46.49.46.49.46.49.46.118.112.110 (integer) active(1)

10: snmpTargetParamsMPModel.116.114.97.112.104.111.115.116.46.112.117.98.108.105.99.46.49.46.49.46.49.46.49.46.118.112.110 (integer) 0

11: snmpTargetParamsSecurityModel.116.114.97.112.104.111.115.116.46.112.117.98.108.105.99.46.49.46.49.46.49.46.49.46.118.112.110 (integer) 1

12: snmpTargetParamsSecurityName.116.114.97.112.104.111.115.116.46.112.117.98.108.105.99.46.49.46.49.46.49.46.49.46.118.112.110 (octet string) public [70.75.62.6C.69.63 (hex)]

13: snmpTargetParamsSecurityLevel.116.114.97.112.104.111.115.116.46.112.117.98.108.105.99.46.49.46.49.46.49.46.49.46.118.112.110 (integer) noAuthNoPriv(1)

14: snmpTargetParamsStorageType.116.114.97.112.104.111.115.116.46.112.117.98.108.105.99.46.49.46.49.46.49.46.49.46.118.112.110 (integer) nonVolatile(3)

15: snmpTargetParamsRowStatus.116.114.97.112.104.111.115.116.46.112.117.98.108.105.99.46.49.46.49.46.49.46.49.46.118.112.110 (integer) active(1)

16: snmpUnavailableContexts.0 (counter) 0

17: snmpUnknownContexts.0 (counter) 0

\*\*\*\*\* SNMP QUERY FINISHED \*\*\*\*\*

Above is a retrieve for SNMP TARGET entry.

Here the index of this entry is 116.114.97.112.104.111.115.116.46.112.117.98.108.105.99.46.49.46.49.46.49.46.49.46.118.112.110, which is the hex code of string "traphost.public.1.1.1.1.vpn "

The first part, 116.114.97.112.104.111.115.116.46, is hex code of "traphost." string.

The second part, 112.117.98.108.105.99.46, is ascii code of "public.".

The third part, 49.46.49.46.49.46.49.46. is hex code of "1.1.1.1."

The last part, 118.112.110, is ascii code of "vpn".

# SNMP-USER-BASED-SM-MIB

## usmStats group

OID of this table is :1.3.6.1.6.3.15.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| usmStatsUnsupportedSecLevels (1.3.6.1.6.3.15.1.1.1) | read-only | No | As per MIB |
| usmStatsNotInTimeWindows (1.3.6.1.6.3.15.1.1.2) | read-only | No | As per MIB |
| usmStatsUnknownUserNames (1.3.6.1.6.3.15.1.1.3) | read-only | No | As per MIB |
| usmStatsUnknownEngineIDs (1.3.6.1.6.3.15.1.1.4) | read-only | No | As per MIB |
| usmStatsWrongDigests (1.3.6.1.6.3.15.1.1.5) | read-only | No | As per MIB |
| usmStatsDecryptionErrors (1.3.6.1.6.3.15.1.1.6) | read-only | No | As per MIB |

## Scalar objects of usmUser Group

OID of this table is :1.3.6.1.6.3.15.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| usmUserSpinLock (1.3.6.1.6.3.15.1.2.1) | read-write | No | As per MIB |

## usmUserTable

OID of this table is :1.3.6.1.6.3.15.1.2.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| usmUserEngineID (1.3.6.1.6.3.15.1.2.2.1.1) | not-accessible | Current | As per MIB |
| usmUserName (1.3.6.1.6.3.15.1.2.2.1.2) | not-accessible | Current | The ASCII value of the characters of this object should be from 33 to 126 except 63(‘?’) |
| usmUserSecurityName (1.3.6.1.6.3.15.1.2.2.1.3) | read-only | Current | As per MIB |
| usmUserCloneFrom (1.3.6.1.6.3.15.1.2.2.1.4) | read-create | No | When creating a new user, this object must be specified.  When this object is read, the ZeroDotZero OID is returned  For this object of a user who is created by command line, set operations are successful but invoke no action to be taken. |
| usmUserAuthProtocol (1.3.6.1.6.3.15.1.2.2.1.5) | read-create | Current | As per MIB |
| usmUserAuthKeyChange (1.3.6.1.6.3.15.1.2.2.1.6) | read-create | No | When this object is read, the zero-length(empty) string is returned |
| usmUserOwnAuthKeyChange (1.3.6.1.6.3.15.1.2.2.1.7) | read-create | No | When this object is read, the zero-length(empty) string is returned |
| usmUserPrivProtocol (1.3.6.1.6.3.15.1.2.2.1.8) | read-create | Current | As per MIB |
| usmUserPrivKeyChange (1.3.6.1.6.3.15.1.2.2.1.9) | read-create | No | When this object is read, the zero-length(empty) string is returned |
| usmUserOwnPrivKeyChange (1.3.6.1.6.3.15.1.2.2.1.10) | read-create | No | When this object is read, the zero-length(empty) string is returned |
| usmUserPublic (1.3.6.1.6.3.15.1.2.2.1.11) | read-create | No | The length of value is range from 0 to 32 |
| usmUserStorageType (1.3.6.1.6.3.15.1.2.2.1.12) | read-create | Current | Only support nonVolatile(3) |
| usmUserStatus (1.3.6.1.6.3.15.1.2.2.1.13) | read-create | No | As per MIB |

# SNMP-VIEW-BASED-ACM-MIB

## vacmContextTable

OID of this table is :1.3.6.1.6.3.16.1.1

This object has only one instance of “-”

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| vacmContextName (1.3.6.1.6.3.16.1.1.1.1) | read-only | No | The value is always “-”, other value is not supported |

## vacmSecurityToGroupTable

OID of this table is :1.3.6.1.6.3.16.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| vacmSecurityModel (1.3.6.1.6.3.16.1.2.1.1) | not-accessible | Current | As per MIB |
| vacmSecurityName (1.3.6.1.6.3.16.1.2.1.2) | not-accessible | Current | The ASCII value of the characters of this object should be from 33 to 126 except 63(‘?’) |
| vacmGroupName (1.3.6.1.6.3.16.1.2.1.3) | read-create | Current | The length of value is range from 1 to 32  The ASCII value of the characters of this object should be from 33 to 126 except 63(‘?’) |
| vacmSecurityToGroupStorageType (1.3.6.1.6.3.16.1.2.1.4) | read-create | Current | Only support nonVolatile(3) |
| vacmSecurityToGroupStatus (1.3.6.1.6.3.16.1.2.1.5) | read-create | No | As per MIB |

## vacmAccessTable

OID of this table is :1.3.6.1.6.3.16.1.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| vacmAccessContextPrefix (1.3.6.1.6.3.16.1.4.1.1) | not-accessible | Current | One of the indexes of vacmAccessTable. The value must be assigned to “-”. Otherwise the index is invalid |
| vacmAccessSecurityModel (1.3.6.1.6.3.16.1.4.1.2) | not-accessible | Current | As per MIB |
| vacmAccessSecurityLevel (1.3.6.1.6.3.16.1.4.1.3) | not-accessible | Current | As per MIB |
| vacmAccessContextMatch (1.3.6.1.6.3.16.1.4.1.4) | read-create | Current | The default value is exact(1) |
| vacmAccessReadViewName (1.3.6.1.6.3.16.1.4.1.5) | read-create | Current | The length of value is range from 0 to 32  The ASCII value of the characters of this object should be from 33 to 126 except 63(‘?’) |
| vacmAccessWriteViewName (1.3.6.1.6.3.16.1.4.1.6) | read-create | Current | The length of value is range from 0 to 32  The ASCII value of the characters of this object should be from 33 to 126 except 63(‘?’) |
| vacmAccessNotifyViewName (1.3.6.1.6.3.16.1.4.1.7) | read-create | Current | The length of value is range from 0 to 32  The ASCII value of the characters of this object should be from 33 to 126 except 63(‘?’) |
| vacmAccessStorageType (1.3.6.1.6.3.16.1.4.1.8) | read-create | Current | Only support nonVolatile(3) |
| vacmAccessStatus (1.3.6.1.6.3.16.1.4.1.9) | read-create | No | As per MIB |

## Scalar objects of vacmMIBViews group

OID of this table is :1.3.6.1.6.3.16.1.5

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| vacmViewSpinLock (1.3.6.1.6.3.16.1.5.1) | read-write | No | As per MIB |

## vacmViewTreeFamilyTable

OID of this table is :1.3.6.1.6.3.16.1.5.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| vacmViewTreeFamilyViewName (1.3.6.1.6.3.16.1.5.2.1.1) | not-accessible | Current | The ASCII value of the characters of this object should be from 33 to 126 except 63(‘?’) |
| vacmViewTreeFamilySubtree (1.3.6.1.6.3.16.1.5.2.1.2) | not-accessible | Current | As per MIB |
| vacmViewTreeFamilyMask (1.3.6.1.6.3.16.1.5.2.1.3) | read-create | Current | The default value is empty string |
| vacmViewTreeFamilyType (1.3.6.1.6.3.16.1.5.2.1.4) | read-create | Current | The default value is included(1) |
| vacmViewTreeFamilyStorageType (1.3.6.1.6.3.16.1.5.2.1.5) | read-create | Current | Only support nonVolatile(3) |
| vacmViewTreeFamilyStatus (1.3.6.1.6.3.16.1.5.2.1.6) | read-create | No | As per MIB |

# VRRP-MIB

## Scalar objects of vrrpOperations group

OID of this table is :1.3.6.1.2.1.68.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| vrrpNodeVersion (1.3.6.1.2.1.68.1.1) | read-only | No | As per MIB |
| vrrpNotificationCntl (1.3.6.1.2.1.68.1.2) | read-write | No | As per MIB |
| vrrpTrapPacketSrc (1.3.6.1.2.1.68.1.5) | accessible-for-notify | No | As per MIB |
| vrrpTrapAuthErrorType (1.3.6.1.2.1.68.1.6) | accessible-for-notify | No | As per MIB |

## vrrpOperTable

OID of this table is :1.3.6.1.2.1.68.1.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| vrrpOperVrId (1.3.6.1.2.1.68.1.3.1.1) | not-accessible | Current | As per MIB |
| vrrpOperVirtualMacAddr (1.3.6.1.2.1.68.1.3.1.2) | read-only | No | As per MIB |
| vrrpOperState (1.3.6.1.2.1.68.1.3.1.3) | read-only | No | As per MIB |
| vrrpOperAdminState (1.3.6.1.2.1.68.1.3.1.4) | read-create | No | As per MIB |
| vrrpOperPriority (1.3.6.1.2.1.68.1.3.1.5) | read-create | Current | As per MIB |
| vrrpOperIpAddrCount (1.3.6.1.2.1.68.1.3.1.6) | read-only | No | As per MIB |
| vrrpOperMasterIpAddr (1.3.6.1.2.1.68.1.3.1.7) | read-only | Current | As per MIB |
| vrrpOperPrimaryIpAddr (1.3.6.1.2.1.68.1.3.1.8) | read-create | Current | The value of this object must be the main ip address of a given ‘ifindex’ or 0.0.0.0. |
| vrrpOperAuthType (1.3.6.1.2.1.68.1.3.1.9) | read-create | Current | As per MIB |
| vrrpOperAuthKey (1.3.6.1.2.1.68.1.3.1.10) | read-create | Current | As per MIB |
| vrrpOperAdvertisementInterval (1.3.6.1.2.1.68.1.3.1.11) | read-create | Current | As per MIB |
| vrrpOperPreemptMode (1.3.6.1.2.1.68.1.3.1.12) | read-create | Current | As per MIB |
| vrrpOperVirtualRouterUpTime (1.3.6.1.2.1.68.1.3.1.13) | Read-only | No | As per MIB |
| vrrpOperProtocol (1.3.6.1.2.1.68.1.3.1.14) | read-create | Current | The value is always ip(1) and only support read operation. |
| vrrpOperRowStatus (1.3.6.1.2.1.68.1.3.1.15) | read-create | No | As per MIB |

## vrrpAssoIpAddrTable

OID of this table is :1.3.6.1.2.1.68.1.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| vrrpAssoIpAddr (1.3.6.1.2.1.68.1.4.1.1) | not-accessible | No | As per MIB |
| vrrpAssoIpAddrRowStatus (1.3.6.1.2.1.68.1.4.1.2) | read-create | No | Only support active(1) ,createAndgo(4) and destroy(6) |

## Scalar objects of vrrpStatistics group

OID of this table is :1.3.6.1.2.1.68.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| vrrpRouterChecksumErrors (1.3.6.1.2.1.68.2.1) | read-only | No | As per MIB |
| vrrpRouterVersionErrors (1.3.6.1.2.1.68.2.2) | read-only | No | As per MIB |
| vrrpRouterVrIdErrors (1.3.6.1.2.1.68.2.3) | read-only | No | As per MIB |

## vrrpRouterStatsTable

OID of this table is :1.3.6.1.2.1.68.2.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| vrrpStatsBecomeMaster (1.3.6.1.2.1.68.2.4.1.1) | read-only | No | As per MIB |
| vrrpStatsAdvertiseRcvd (1.3.6.1.2.1.68.2.4.1.2) | read-only | No | As per MIB |
| vrrpStatsAdvertiseIntervalErrors (1.3.6.1.2.1.68.2.4.1.3) | read-only | No | As per MIB |
| vrrpStatsAuthFailures (1.3.6.1.2.1.68.2.4.1.4) | read-only | No | As per MIB |
| vrrpStatsIpTtlErrors (1.3.6.1.2.1.68.2.4.1.5) | read-only | No | As per MIB |
| vrrpStatsPriorityZeroPktsRcvd (1.3.6.1.2.1.68.2.4.1.6) | read-only | No | As per MIB |
| vrrpStatsPriorityZeroPktsSent (1.3.6.1.2.1.68.2.4.1.7) | read-only | No | As per MIB |
| vrrpStatsInvalidTypePktsRcvd (1.3.6.1.2.1.68.2.4.1.8) | read-only | No | As per MIB |
| vrrpStatsAddressListErrors (1.3.6.1.2.1.68.2.4.1.9) | read-only | No | As per MIB |
| vrrpStatsInvalidAuthType (1.3.6.1.2.1.68.2.4.1.10) | read-only | No | As per MIB |
| vrrpStatsAuthTypeMismatch (1.3.6.1.2.1.68.2.4.1.11) | read-only | No | As per MIB |
| vrrpStatsPacketLengthErrors (1.3.6.1.2.1.68.2.4.1.12) | read-only | No | As per MIB |

# BRIDGE-MIB

## Scalar objects of dot1dBase group

OID of this table is :1.3.6.1.2.1.17.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1dBaseBridgeAddress (1.3.6.1.2.1.17.1.1) | read-only | No | As per MIB |
| dot1dBaseNumPorts (1.3.6.1.2.1.17.1.2) | read-only | No | As per MIB |
| dot1dBaseType (1.3.6.1.2.1.17.1.3) | read-only | No | As per MIB |

## dot1dBasePortTable

OID of this table is :1.3.6.1.2.1.17.1.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1dBasePort (1.3.6.1.2.1.17.1.4.1.1) | read-only | No | As per MIB |
| dot1dBasePortIfIndex (1.3.6.1.2.1.17.1.4.1.2) | read-only | No | As per MIB |
| dot1dBasePortCircuit (1.3.6.1.2.1.17.1.4.1.3) | read-only | No | As per MIB |
| dot1dBasePortDelayExceededDiscards (1.3.6.1.2.1.17.1.4.1.4) | read-only | No | As per MIB |
| dot1dBasePortMtuExceededDiscards (1.3.6.1.2.1.17.1.4.1.5) | read-only | No | As per MIB |

## Scalar objects of dot1dStp group

OID of this table is :1.3.6.1.2.1.17.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1dStpProtocolSpecification (1.3.6.1.2.1.17.2.1) | read-only | No | As per MIB |
| dot1dStpPriority (1.3.6.1.2.1.17.2.2) | read-write | Current | As per MIB |
| dot1dStpTimeSinceTopologyChange (1.3.6.1.2.1.17.2.3) | read-only | No | As per MIB |
| dot1dStpTopChanges (1.3.6.1.2.1.17.2.4) | read-only | No | As per MIB |
| dot1dStpDesignatedRoot (1.3.6.1.2.1.17.2.5) | read-only | No | As per MIB |
| dot1dStpRootCost (1.3.6.1.2.1.17.2.6) | read-only | No | As per MIB |
| dot1dStpRootPort (1.3.6.1.2.1.17.2.7) | read-only | No | As per MIB |
| dot1dStpMaxAge (1.3.6.1.2.1.17.2.8) | read-only | No | As per MIB |
| dot1dStpHelloTime (1.3.6.1.2.1.17.2.9) | read-only | No | As per MIB |
| dot1dStpHoldTime (1.3.6.1.2.1.17.2.10) | read-only | No | As per MIB |
| dot1dStpForwardDelay (1.3.6.1.2.1.17.2.11) | read-only | No | As per MIB |
| dot1dStpBridgeMaxAge (1.3.6.1.2.1.17.2.12) | read-write | Current | As per MIB |
| dot1dStpBridgeHelloTime (1.3.6.1.2.1.17.2.13) | read-write | Current | As per MIB |
| dot1dStpBridgeForwardDelay (1.3.6.1.2.1.17.2.14) | read-write | Current | As per MIB |

## dot1dStpPortTable

OID of this table is :1.3.6.1.2.1.17.2.15

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1dStpPort (1.3.6.1.2.1.17.2.15.1.1) | read-only | No | As per MIB |
| dot1dStpPortPriority (1.3.6.1.2.1.17.2.15.1.2) | read-write | Current | This object can not be set on the ONU port. |
| dot1dStpPortState (1.3.6.1.2.1.17.2.15.1.3) | read-only | No | As per MIB |
| dot1dStpPortEnable (1.3.6.1.2.1.17.2.15.1.4) | read-write | Current | As per MIB |
| dot1dStpPortPathCost (1.3.6.1.2.1.17.2.15.1.5) | read-write | Current | The node only correctly support IEEE802.1D-1990 path cost standard whose range is 1 to 65535. If path cost of the port in other path cost standard is larger than 65535, the value of the node is 65535. |
| dot1dStpPortDesignatedRoot (1.3.6.1.2.1.17.2.15.1.6) | read-only | No | As per MIB |
| dot1dStpPortDesignatedCost (1.3.6.1.2.1.17.2.15.1.7) | read-only | No | As per MIB |
| dot1dStpPortDesignatedBridge (1.3.6.1.2.1.17.2.15.1.8) | read-only | No | As per MIB |
| dot1dStpPortDesignatedPort (1.3.6.1.2.1.17.2.15.1.9) | read-only | No | As per MIB |
| dot1dStpPortForwardTransition (1.3.6.1.2.1.17.2.15.1.10) | read-only | No | As per MIB |

## Scalar objects of dot1dTp group

OID of this table is :1.3.6.1.2.1.17.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1dTpAgingTime (1.3.6.1.2.1.17.4.2) | read-write | No | As per MIB The value of this object may be different from chips. |

## dot1dTpFdbTable

OID of this table is :1.3.6.1.2.1.17.4.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1dTpFdbAddress (1.3.6.1.2.1.17.4.4.3.1) | read-only | No | As per MIB |
| dot1dTpFdbPort (1.3.6.1.2.1.17.4.4.3.2) | read-only | No | As per MIB |
| dot1dTpFdbStatus (1.3.6.1.2.1.17.4.4.3.3) | read-only | No | Not supported |

## dot1dTpPortTable

OID of this table is :1.3.6.1.2.1.17.4.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1dTpPort (1.3.6.1.2.1.17.4.4.1.1) | read-only | No | As per MIB |
| dot1dTpPortMaxInfo (1.3.6.1.2.1.17.4.4.1.2) | read-only | No | As per MIB |
| dot1dTpPortInFrames (1.3.6.1.2.1.17.4.4.1.3) | read-only | No | Not supported |
| dot1dTpPortOutFrames (1.3.6.1.2.1.17.4.4.1.4) | read-only | No | Not supported |
| dot1dTpPortInDiscards (1.3.6.1.2.1.17.4.4.1.5) | read-only | No | Not supported |

# POWER-ETHERNET-MIB

This MIB is used to manage and describe PoE module

## Scalar Objects

There is no scalar objects.

## pethPsePortTable

OID of this table is :1.3.6.1.2.1.105.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| pethPsePortGroupIndex (1.3.6.1.2.1.105.1.1.1.1) | not-accessible | No | As per MIB |
| pethPsePortIndex (1.3.6.1.2.1.105.1.1.1.2) | not-accessible | No | As per MIB |
| pethPsePortAdminEnable (1.3.6.1.2.1.105.1.1.1.3) | read-write | Current | As per MIB |
| pethPsePortPowerPairsControlAbility (1.3.6.1.2.1.105.1.1.1.4) | read-only | No | As per MIB |
| pethPsePortPowerPairs (1.3.6.1.2.1.105.1.1.1.5) | read-write | Current | As per MIB |
| pethPsePortDetectionStatus (1.3.6.1.2.1.105.1.1.1.6) | read-only | No | As per MIB |
| pethPsePortPowerPriority (1.3.6.1.2.1.105.1.1.1.7) | read-write | Current | As per MIB |
| pethPsePortMPSAbsentCounter (1.3.6.1.2.1.105.1.1.1.8) | read-only | No | As per MIB |
| pethPsePortType (1.3.6.1.2.1.105.1.1.1.9) | read-write | Current | As per MIB |
| pethPsePortPowerClassifications (1.3.6.1.2.1.105.1.1.1.10) | read-only | No | As per MIB |
| pethPsePortInvalidSignatureCounter (1.3.6.1.2.1.105.1.1.1.11) | read-only | No | As per MIB |
| pethPsePortPowerDeniedCounter (1.3.6.1.2.1.105.1.1.1.12) | read-only | No | As per MIB |
| pethPsePortOverLoadCounter (1.3.6.1.2.1.105.1.1.1.13) | read-only | No | As per MIB |
| pethPsePortShortCounter (1.3.6.1.2.1.105.1.1.1.14) | read-only | No | As per MIB |

## pethMainPseTable

OID of this table is :1.3.6.1.2.1.105.1.3.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| pethMainPseGroupIndex (1.3.6.1.2.1.105.1.3.1.1.1) | not-accessible | No | As per MIB |
| pethMainPsePower (1.3.6.1.2.1.105.1.3.1.1.2) | read-only | No | As per MIB |
| pethMainPseOperStatus (1.3.6.1.2.1.105.1.3.1.1.3) | read-only | No | As per MIB |
| pethMainPseConsumptionPower (1.3.6.1.2.1.105.1.3.1.1.4) | read-only | No | As per MIB |
| pethMainPseUsageThreshold (1.3.6.1.2.1.105.1.3.1.1.5) | read-write | Current | As per MIB |

## pethNotificationControlTable

OID of this table is :1.3.6.1.2.1.105.1.4.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| pethNotificationControlGroupIndex (1.3.6.1.2.1.105.1.4.1.1.1) | not-accessible | No | As per MIB |
| pethNotificationControlEnable (1.3.6.1.2.1.105.1.4.1.1.2) | read-write | No | As per MIB |

# P-BRIDGE-MIB

## Scalar objects of dot1dExtBase group

OID of this table is :1.3.6.1.2.1.17.6.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1dDeviceCapabilities (1.3.6.1.2.1.17.6.1.1.1) | read-only | No | As per MIB |
| dot1dTrafficClassesEnabled (1.3.6.1.2.1.17.6.1.1.2) | read-only | No | Only support read operation |
| dot1dGmrpStatus (1.3.6.1.2.1.17.6.1.1.3) | read-write | No | Not supported |

## dot1dPortCapabilitiesTable

OID of this table is :1.3.6.1.2.1.17.6.1.1.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1dPortCapabilities (1.3.6.1.2.1.17.6.1.1.4.1.1) | read-only | No | As per MIB |

## dot1dPortPriorityTable

OID of this table is :1.3.6.1.2.1.17.6.1.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1dPortDefaultUserPriority (1.3.6.1.2.1.17.6.1.2.1.1.1) | read-write | No | As per MIB |
| dot1dPortNumTrafficClasses (1.3.6.1.2.1.17.6.1.2.1.1.2) | read-only | No | As per MIB |

## dot1dPortGarpTable

OID of this table is :1.3.6.1.2.1.17.6.1.3.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1dPortGarpJoinTime (1.3.6.1.2.1.17.6.1.3.1.1.1) | read-write | Current | As per MIB |
| dot1dPortGarpLeaveTime (1.3.6.1.2.1.17.6.1.3.1.1.2) | read-write | Current | As per MIB |
| dot1dPortGarpLeaveAllTime (1.3.6.1.2.1.17.6.1.3.1.1.3) | read-only | Current | As per MIB |

# Q-BRIDGE-MIB

## dot1qBase group

OID of this table is :1.3.6.1.2.1.17.7.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1qVlanVersionNumber (1.3.6.1.2.1.17.7.1.1.1) | read-only | Current | As per MIB |
| dot1qMaxVlanId (1.3.6.1.2.1.17.7.1.1.2) | read-only | Current | As per MIB |
| dot1qMaxSupportedVlans (1.3.6.1.2.1.17.7.1.1.3) | read-only | Current | As per MIB |
| dot1qNumVlans (1.3.6.1.2.1.17.7.1.1.4) | read-only | No | As per MIB |
| dot1qGvrpStatus (1.3.6.1.2.1.17.7.1.1.5) | read-write | Current | The default value is disabled. |

## dot1qTpFdbTable

OID of this table is :1.3.6.1.2.1.17.7.1.2.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1qTpFdbAddress (1.3.6.1.2.1.17.7.1.2.2.1.1) | not-accessible | No | As per MIB |
| dot1qTpFdbPort (1.3.6.1.2.1.17.7.1.2.2.1.2) | read-only | No | As per MIB |
| dot1qTpFdbStatus (1.3.6.1.2.1.17.7.1.2.2.1.3) | read-only | No | As per MIB |

## dot1qTpGroupTable

OID of this table is :1.3.6.1.2.1.17.7.1.2.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1qTpGroupAddress (1.3.6.1.2.1.17.7.1.2.3.1.1) | not-accessible | No | As per MIB |
| dot1qTpGroupEgressPorts (1.3.6.1.2.1.17.7.1.2.3.1.2) | read-only | No | As per MIB |
| dot1qTpGroupLearnt (1.3.6.1.2.1.17.7.1.2.3.1.3) | read-only | No | As per MIB |

## Scalar objects of dot1qVlan group

OID of this table is :1.3.6.1.2.1.17.7.1.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1qConstraintTypeDefault (1.3.6.1.2.1.17.7.1.4.10) | read-only | Current | As per MIB |

## dot1qVlanStaticTable

OID of this table is :1.3.6.1.2.1.17.7.1.4.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1qVlanStaticName (1.3.6.1.2.1.17.7.1.4.3.1.1) | read-create | Current | A null string or zero length string inputted as dot1qVlanStaticName will be replaced with the default name of the vlan.  Default value for each vlan is “vlan xxxx”, and xxxx is serial number of the vlan. |
| dot1qVlanStaticEgressPorts (1.3.6.1.2.1.17.7.1.4.3.1.2) | read-create | Current | As per MIB |
| dot1qVlanForbiddenEgressPorts (1.3.6.1.2.1.17.7.1.4.3.1.3) | read-create | Current | Not supported |
| dot1qVlanStaticUntaggedPorts (1.3.6.1.2.1.17.7.1.4.3.1.4) | read-create | Current | As per MIB |
| dot1qVlanStaticRowStatus (1.3.6.1.2.1.17.7.1.4.3.1.5) | read-create | Current | Only support active(1), createAndgo(4) and destroy(6). The default vlan can not be destroyed. |

## dot1qPortVlanTable

OID of this table is :1.3.6.1.2.1.17.7.1.4.5

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1qPvid (1.3.6.1.2.1.17.7.1.4.5.1.1) | read-write | Current | this node not support set operation when the port type is access |
| dot1qPortAcceptableFrameTypes (1.3.6.1.2.1.17.7.1.4.5.1.2) | read-only | Current | As per MIB |
| dot1qPortIngressFiltering (1.3.6.1.2.1.17.7.1.4.5.1.3) | read-only | Current | As per MIB |
| dot1qPortGvrpStatus (1.3.6.1.2.1.17.7.1.4.5.1.4) | read-write | Current | dot1qGvrpStatus should be set before setting dot1qPortGvrpStatus, and the port type should be trunk.The BPDU tunnel function must not be enabled if supported when setting dot1qPortGvrpStatus. |
| dot1qPortGvrpFailedRegistrations (1.3.6.1.2.1.17.7.1.4.5.1.5) | read-only | No | As per MIB |
| dot1qPortGvrpLastPduOrigin (1.3.6.1.2.1.17.7.1.4.5.1.6) | read-only | No | As per MIB |

# RMON-MIB

## etherStatsTable

OID of this table is :1.3.6.1.2.1.16.1.1

No row exists in this table by default. The Max number of RMON Entries in this table is 100. If the interface that the etherStatsEntry is monitoring is removed, the value of the objects of this entry can’t be modified. The objects include etherStatsDataSource, etherStatsOwner and etherStatsStatus. If a set operation tries to change the value of these objects, an 'inconsistentValue' error will be returned.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| etherStatsIndex (1.3.6.1.2.1.16.1.1.1.1) | read-only | Current | As per MIB |
| etherStatsDataSource (1.3.6.1.2.1.16.1.1.1.2) | read-create | Current | As per MIB |
| etherStatsDropEvents (1.3.6.1.2.1.16.1.1.1.3) | read-only | No | As per MIB |
| etherStatsOctets (1.3.6.1.2.1.16.1.1.1.4) | read-only | No | As per MIB |
| etherStatsPkts (1.3.6.1.2.1.16.1.1.1.5) | read-only | No | As per MIB |
| etherStatsBroadcastPkts (1.3.6.1.2.1.16.1.1.1.6) | read-only | No | As per MIB |
| etherStatsMulticastPkts (1.3.6.1.2.1.16.1.1.1.7) | read-only | No | As per MIB |
| etherStatsCRCAlignErrors (1.3.6.1.2.1.16.1.1.1.8) | read-only | No | As per MIB |
| etherStatsUndersizePkts (1.3.6.1.2.1.16.1.1.1.9) | read-only | No | As per MIB |
| etherStatsOversizePkts (1.3.6.1.2.1.16.1.1.1.10) | read-only | No | As per MIB |
| etherStatsFragments (1.3.6.1.2.1.16.1.1.1.11) | read-only | No | As per MIB |
| etherStatsJabbers (1.3.6.1.2.1.16.1.1.1.12) | read-only | No | As per MIB |
| etherStatsCollisions (1.3.6.1.2.1.16.1.1.1.13) | read-only | No | As per MIB |
| etherStatsPkts64Octets (1.3.6.1.2.1.16.1.1.1.14) | read-only | No | As per MIB |
| etherStatsPkts65to127Octets (1.3.6.1.2.1.16.1.1.1.15) | read-only | No | As per MIB |
| etherStatsPkts128to255Octets (1.3.6.1.2.1.16.1.1.1.16) | read-only | No | As per MIB |
| etherStatsPkts256to511Octets (1.3.6.1.2.1.16.1.1.1.17) | read-only | No | As per MIB |
| etherStatsPkts512to1023Octets (1.3.6.1.2.1.16.1.1.1.18) | read-only | No | As per MIB |
| etherStatsPkts1024to1518Octets (1.3.6.1.2.1.16.1.1.1.19) | read-only | No | As per MIB |
| etherStatsOwner (1.3.6.1.2.1.16.1.1.1.20) | read-create | Current | As per MIB |
| etherStatsStatus (1.3.6.1.2.1.16.1.1.1.21) | read-create | Current | As per MIB |

## historyControlTable

OID of this table is :1.3.6.1.2.1.16.2.1

No row exists in this table by default. The Max number of RMON Entries in this table is 100. If the interface that the historyControlEntry is monitoring is removed, the value of the objects of this entry can’t be modified. The objects include historyControlDataSource, historyControlOwner and historyControlStatus. If a set operation tries to change the value of these objects, an 'inconsistentValue' error will be returned.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| historyControlIndex (1.3.6.1.2.1.16.2.1.1.1) | read-only | Current | As per MIB |
| historyControlDataSource (1.3.6.1.2.1.16.2.1.1.2) | read-create | Current | As per MIB |
| historyControlBucketsRequested (1.3.6.1.2.1.16.2.1.1.3) | read-create | Current | historyControlBucketsRequested only supports 10 buckets at maximum currently, If a value more than 10 is set, the system will return success, but the historyControlBucketGranted will be assigned to 10 as for implementation. |
| historyControlBucketsGranted (1.3.6.1.2.1.16.2.1.1.4) | read-only | No | As per MIB |
| historyControlInterval (1.3.6.1.2.1.16.2.1.1.5) | read-create | Current | Range from 5 to 3600 |
| historyControlOwner (1.3.6.1.2.1.16.2.1.1.6) | read-create | Current | As per MIB |
| historyControlStatus (1.3.6.1.2.1.16.2.1.1.7) | read-create | Current | As per MIB |

## etherHistoryTable

OID of this table is :1.3.6.1.2.1.16.2.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| etherHistoryIndex (1.3.6.1.2.1.16.2.2.1.1) | read-only | No | As per MIB |
| etherHistorySampleIndex (1.3.6.1.2.1.16.2.2.1.2) | read-only | No | As per MIB |
| etherHistoryIntervalStart (1.3.6.1.2.1.16.2.2.1.3) | read-only | No | As per MIB |
| etherHistoryDropEvents (1.3.6.1.2.1.16.2.2.1.4) | read-only | No | As per MIB |
| etherHistoryOctets (1.3.6.1.2.1.16.2.2.1.5) | read-only | No | As per MIB |
| etherHistoryPkts (1.3.6.1.2.1.16.2.2.1.6) | read-only | No | As per MIB |
| etherHistoryBroadcastPkts (1.3.6.1.2.1.16.2.2.1.7) | read-only | No | As per MIB |
| etherHistoryMulticastPkts (1.3.6.1.2.1.16.2.2.1.8) | read-only | No | As per MIB |
| etherHistoryCRCAlignErrors (1.3.6.1.2.1.16.2.2.1.9) | read-only | No | As per MIB |
| etherHistoryUndersizePkts (1.3.6.1.2.1.16.2.2.1.10) | read-only | No | As per MIB |
| etherHistoryOversizePkts (1.3.6.1.2.1.16.2.2.1.11) | read-only | No | As per MIB |
| etherHistoryFragments (1.3.6.1.2.1.16.2.2.1.12) | read-only | No | As per MIB |
| etherHistoryJabbers (1.3.6.1.2.1.16.2.2.1.13) | read-only | No | As per MIB |
| etherHistoryCollisions (1.3.6.1.2.1.16.2.2.1.14) | read-only | No | As per MIB |
| etherHistoryUtilization (1.3.6.1.2.1.16.2.2.1.15) | read-only | No | As per MIB |

## alarmTable

OID of this table is :1.3.6.1.2.1.16.3.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| alarmIndex (1.3.6.1.2.1.16.3.1.1.1) | read-only | Current | As per MIB |
| alarmInterval (1.3.6.1.2.1.16.3.1.1.2) | read-create | Current | The range is from 5 to 65535 |
| alarmVariable (1.3.6.1.2.1.16.3.1.1.3) | read-create | Current | As per MIB |
| alarmSampleType (1.3.6.1.2.1.16.3.1.1.4) | read-create | Current | As per MIB |
| alarmValue (1.3.6.1.2.1.16.3.1.1.5) | read-only | No | When the value of this object is out of the range of alarmValue, the value of alarmValue will be a negative |
| alarmStartupAlarm (1.3.6.1.2.1.16.3.1.1.6) | read-create | No | As per MIB |
| alarmRisingThreshold (1.3.6.1.2.1.16.3.1.1.7) | read-create | Current | As per MIB |
| alarmFallingThreshold (1.3.6.1.2.1.16.3.1.1.8) | read-create | Current | As per MIB |
| alarmRisingEventIndex (1.3.6.1.2.1.16.3.1.1.9) | read-create | Current | As per MIB |
| alarmFallingEventIndex (1.3.6.1.2.1.16.3.1.1.10) | read-create | Current | As per MIB |
| alarmOwner (1.3.6.1.2.1.16.3.1.1.11) | read-create | Current | As per MIB |
| alarmStatus (1.3.6.1.2.1.16.3.1.1.12) | read-create | Current | alarmStatus can be set to valid when the row is created. When setting alarmStatus valid, the return value of success means that the setting operation is accepted by agent successfully. But it doesn’t guarantee that the alarmStatus will change to valid. Only the entry of alarmTable meets the requirement of validation, alarmStatus will be valid after setting it. |

## eventTable

OID of this table is :1.3.6.1.2.1.16.9.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| eventIndex (1.3.6.1.2.1.16.9.1.1.1) | read-only | Current | As per MIB |
| eventDescription (1.3.6.1.2.1.16.9.1.1.2) | read-create | Current | As per MIB |
| eventType (1.3.6.1.2.1.16.9.1.1.3) | read-create | Current | As per MIB |
| eventCommunity (1.3.6.1.2.1.16.9.1.1.4) | read-create | Current | Not supported. When eventType is none(1) or log(2), the value of eventCommunity will not be saved; when eventType is snmptrap(3) or logandtrap(4), the value of eventCommunity will be saved but can take no effect. |
| eventLastTimeSent (1.3.6.1.2.1.16.9.1.1.5) | read-only | No | As per MIB |
| eventOwner (1.3.6.1.2.1.16.9.1.1.6) | read-create | Current | As per MIB |
| eventStatus (1.3.6.1.2.1.16.9.1.1.7) | read-create | Current | eventStatus can be set to valid when the row is created |

## logTable

OID of this table is :1.3.6.1.2.1.16.9.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| logEventIndex (1.3.6.1.2.1.16.9.2.1.1) | read-only | No | As per MIB |
| logIndex (1.3.6.1.2.1.16.9.2.1.2) | read-only | No | As per MIB |
| logTime (1.3.6.1.2.1.16.9.2.1.3) | read-only | No | As per MIB |
| logDescription (1.3.6.1.2.1.16.9.2.1.4) | read-only | No | As per MIB |

# IEEE8021-CFM-MIB

## Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1agCfmMdTableNextIndex (1.3.111.2.802.1.1.8.1.5.1) | read-only | Current | As per MIB |

## dot1agCfmMdTable

OID of this table is :1.3.111.2.802.1.1.8.1.5.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1agCfmMdIndex (1.3.111.2.802.1.1.8.1.5.2.1.1) | not-accessible | Current | Only support eight different values |
| dot1agCfmMdFormat (1.3.111.2.802.1.1.8.1.5.2.1.2) | read-create | Current | Only support charString(4) |
| dot1agCfmMdName (1.3.111.2.802.1.1.8.1.5.2.1.3) | read-create | Current | Can not be modified after creation |
| dot1agCfmMdMdLevel (1.3.111.2.802.1.1.8.1.5.2.1.4) | read-create | Current | Can not be modified after creation |
| dot1agCfmMdMhfCreation (1.3.111.2.802.1.1.8.1.5.2.1.5) | read-create | No | Only support defMHFnone(1). |
| dot1agCfmMdMhfIdPermission (1.3.111.2.802.1.1.8.1.5.2.1.6) | read-create | Yes | The value is always sendIdNone(1) |
| dot1agCfmMdMaNextIndex (1.3.111.2.802.1.1.8.1.5.2.1.7) | read-only | Current | As per MIB |
| dot1agCfmMdRowStatus (1.3.111.2.802.1.1.8.1.5.2.1.8) | read-create | Current | Only support active(1), createAndGo(4) and destroy(6) |

## dot1agCfmMaNetTable

OID of this table is :1.3.111.2.802.1.1.8.1.6.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1agCfmMaIndex (1.3.111.2.802.1.1.8.1.6.1.1.1) | not-accessible | Current | As per MIB |
| dot1agCfmMaNetFormat (1.3.111.2.802.1.1.8.1.6.1.1.2) | read-create | Yes | The value is always charString (2) |
| dot1agCfmMaNetName (1.3.111.2.802.1.1.8.1.6.1.1.3) | read-create | Current | Can not be modified after creation |
| dot1agCfmMaNetCcmInterval (1.3.111.2.802.1.1.8.1.6.1.1.4) | read-create | Current | Only support interval1s(4), interval10s(5), interval1min(6) and interval10min (7). |
| dot1agCfmMaNetRowStatus (1.3.111.2.802.1.1.8.1.6.1.1.5) | read-create | Current | Only support active(1), createAndGo(4) and destroy(6) |

## dot1agCfmMaCompTable

OID of this table is :1.3.111.2.802.1.1.8.1.6.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1agCfmMaComponentId (1.3.111.2.802.1.1.8.1.6.2.1.1) | not-accessible | Current | The value is always 1 |
| dot1agCfmMaCompPrimaryVlanId (1.3.111.2.802.1.1.8.1.6.2.1.2) | read-create | Current | Can not be modified after creation |
| dot1agCfmMaCompMhfCreation (1.3.111.2.802.1.1.8.1.6.2.1.3) | read-create | Current | As per MIB |
| dot1agCfmMaCompIdPermission (1.3.111.2.802.1.1.8.1.6.2.1.4) | read-create | No | Only support sendIdNone (1) and sendIdDefer (5) |
| dot1agCfmMaCompNumberOfVids (1.3.111.2.802.1.1.8.1.6.2.1.5) | read-only | No | The value is always 1. |
| dot1agCfmMaCompRowStatus (1.3.111.2.802.1.1.8.1.6.2.1.6) | read-create | Current | Only support active(1), createAndGo(4) and destroy(6) |

## dot1agCfmMaMepListTable

OID of this table is :1.3.111.2.802.1.1.8.1.6.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1agCfmMaMepListIdentifier (1.3.111.2.802.1.1.8.1.6.3.1.1) | not-accessible | Current | Can not be modified after creation |
| dot1agCfmMaMepListRowStatus (1.3.111.2.802.1.1.8.1.6.3.1.2) | read-create | Current | Only support active(1), createAndGo(4) and destroy(6) |

## dot1agCfmMepTable

OID of this table is :1.3.111.2.802.1.1.8.1.7.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1agCfmMepIdentifier (1.3.111.2.802.1.1.8.1.7.1.1.1) | not-accessible | Current | Can not be modified after creation |
| dot1agCfmMepIfIndex (1.3.111.2.802.1.1.8.1.7.1.1.2) | read-create | Current | As per MIB |
| dot1agCfmMepDirection (1.3.111.2.802.1.1.8.1.7.1.1.3) | read-create | Current | Can not be modified after creation |
| dot1agCfmMepPrimaryVid (1.3.111.2.802.1.1.8.1.7.1.1.4) | read-create | Yes | The value is always 0. |
| dot1agCfmMepActive (1.3.111.2.802.1.1.8.1.7.1.1.5) | read-create | Current | As per MIB |
| dot1agCfmMepFngState (1.3.111.2.802.1.1.8.1.7.1.1.6) | read-only | No | As per MIB |
| dot1agCfmMepCciEnabled (1.3.111.2.802.1.1.8.1.7.1.1.7) | read-create | Current | As per MIB |
| dot1agCfmMepCcmLtmPriority (1.3.111.2.802.1.1.8.1.7.1.1.8) | read-create | No | Not supported |
| dot1agCfmMepMacAddress (1.3.111.2.802.1.1.8.1.7.1.1.9) | read-only | No | Not supported |
| dot1agCfmMepLowPrDef (1.3.111.2.802.1.1.8.1.7.1.1.10) | read-create | No | Not supported |
| dot1agCfmMepFngAlarmTime (1.3.111.2.802.1.1.8.1.7.1.1.11) | read-create | No | Not supported |
| dot1agCfmMepFngResetTime (1.3.111.2.802.1.1.8.1.7.1.1.12) | read-create | No | Not supported |
| dot1agCfmMepHighestPrDefect (1.3.111.2.802.1.1.8.1.7.1.1.13) | read-only | No | Only support defRemoteCCM(3), defErrorCCM(4), defXconCCM (5) |
| dot1agCfmMepDefects (1.3.111.2.802.1.1.8.1.7.1.1.14) | read-only | No | Not supported |
| dot1agCfmMepErrorCcmLastFailure (1.3.111.2.802.1.1.8.1.7.1.1.15) | read-only | No | Not supported |
| dot1agCfmMepXconCcmLastFailure (1.3.111.2.802.1.1.8.1.7.1.1.16) | read-only | No | Not supported |
| dot1agCfmMepCcmSequenceErrors (1.3.111.2.802.1.1.8.1.7.1.1.17) | read-only | No | Not supported |
| dot1agCfmMepCciSentCcms (1.3.111.2.802.1.1.8.1.7.1.1.18) | read-only | No | Not supported |
| dot1agCfmMepNextLbmTransId (1.3.111.2.802.1.1.8.1.7.1.1.19) | read-only | No | Not supported |
| dot1agCfmMepLbrIn (1.3.111.2.802.1.1.8.1.7.1.1.20) | read-only | No | Not supported |
| dot1agCfmMepLbrInOutOfOrder (1.3.111.2.802.1.1.8.1.7.1.1.21) | read-only | No | Not supported |
| dot1agCfmMepLbrBadMsdu (1.3.111.2.802.1.1.8.1.7.1.1.22) | read-only | No | Not supported |
| dot1agCfmMepLtmNextSeqNumber (1.3.111.2.802.1.1.8.1.7.1.1.23) | read-only | No | Not supported |
| dot1agCfmMepUnexpLtrIn (1.3.111.2.802.1.1.8.1.7.1.1.24) | read-only | No | Not supported |
| dot1agCfmMepLbrOut (1.3.111.2.802.1.1.8.1.7.1.1.25) | read-only | No | Not supported |
| dot1agCfmMepTransmitLbmStatus (1.3.111.2.802.1.1.8.1.7.1.1.26) | read-create | No | Not supported |
| dot1agCfmMepTransmitLbmDestMacAddress (1.3.111.2.802.1.1.8.1.7.1.1.27) | read-create | No | Not supported |
| dot1agCfmMepTransmitLbmDestMepId (1.3.111.2.802.1.1.8.1.7.1.1.28) | read-create | No | Not supported |
| dot1agCfmMepTransmitLbmDestIsMepId (1.3.111.2.802.1.1.8.1.7.1.1.29) | read-create | No | Not supported |
| dot1agCfmMepTransmitLbmMessages (1.3.111.2.802.1.1.8.1.7.1.1.30) | read-create | No | Not supported |
| dot1agCfmMepTransmitLbmDataTlv (1.3.111.2.802.1.1.8.1.7.1.1.31) | read-create | No | Not supported |
| dot1agCfmMepTransmitLbmVlanPriority (1.3.111.2.802.1.1.8.1.7.1.1.32) | read-create | No | Not supported |
| dot1agCfmMepTransmitLbmVlanDropEnable (1.3.111.2.802.1.1.8.1.7.1.1.33) | read-create | No | Not supported |
| dot1agCfmMepTransmitLbmResultOK (1.3.111.2.802.1.1.8.1.7.1.1.34) | read-only | No | Not supported |
| dot1agCfmMepTransmitLbmSeqNumber (1.3.111.2.802.1.1.8.1.7.1.1.35) | read-only | No | Not supported |
| dot1agCfmMepTransmitLtmStatus (1.3.111.2.802.1.1.8.1.7.1.1.36) | read-only | No | Not supported |
| dot1agCfmMepTransmitLtmFlags (1.3.111.2.802.1.1.8.1.7.1.1.37) | read-create | No | Not supported |
| dot1agCfmMepTransmitLtmTargetMacAddress (1.3.111.2.802.1.1.8.1.7.1.1.38) | read-create | No | Not supported |
| dot1agCfmMepTransmitLtmTargetMepId (1.3.111.2.802.1.1.8.1.7.1.1.39) | read-create | No | Not supported |
| dot1agCfmMepTransmitLtmTargetIsMepId (1.3.111.2.802.1.1.8.1.7.1.1.40) | read-create | No | Not supported |
| dot1agCfmMepTransmitLtmTtl (1.3.111.2.802.1.1.8.1.7.1.1.41) | read-create | No | Not supported |
| dot1agCfmMepTransmitLtmResult (1.3.111.2.802.1.1.8.1.7.1.1.42) | read-only | No | Not supported |
| dot1agCfmMepTransmitLtmSeqNumber (1.3.111.2.802.1.1.8.1.7.1.1.43) | read-only | No | Not supported |
| dot1agCfmMepTransmitLtmEgressIdentifier (1.3.111.2.802.1.1.8.1.7.1.1.44) | read-create | No | Not supported |
| dot1agCfmMepRowStatus (1.3.111.2.802.1.1.8.1.7.1.1.45) | read-create | Current | As per MIB |

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## Scalar objects of dot1xPaeSystem Group

OID of this table is :1.0.8802.1.1.1.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1xPaeSystemAuthControl (1.0.8802.1.1.1.1.1.1) | read-write | Current | As per MIB |

## dot1xPaePortTable

OID of this table is :1.0.8802.1.1.1.1.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1xPaePortNumber (1.0.8802.1.1.1.1.1.2.1.1) | not-accessible | Current | As per MIB. |
| dot1xPaePortProtocolVersion (1.0.8802.1.1.1.1.1.2.1.2) | read-only | Current | As per MIB |
| dot1xPaePortCapabilities (1.0.8802.1.1.1.1.1.2.1.3) | read-only | No | As per MIB |
| dot1xPaePortInitialize (1.0.8802.1.1.1.1.1.2.1.4) | read-write | No | Only support read operation |
| dot1xPaePortReauthenticate (1.0.8802.1.1.1.1.1.2.1.5) | read-write | Current | Setting this attribute TRUE causes the Authenticator PAE state machine for the Port to reauthenticate the Supplicant. Setting this attribute FALSE has no effect. This attribute always returns FALSE when it is read. |

## dot1xAuthConfigTable

OID of this table is :1.0.8802.1.1.1.1.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1xAuthPaeState (1.0.8802.1.1.1.1.2.1.1.1) | read-only | No | Not supported. The value is always initialize (1). |
| dot1xAuthBackendAuthState (1.0.8802.1.1.1.1.2.1.1.2) | read-only | No | Not supported. The value is always request(1) |
| dot1xAuthAdminControlledDirections (1.0.8802.1.1.1.1.2.1.1.3) | read-write | Current | Only support read operation |
| dot1xAuthOperControlledDirections (1.0.8802.1.1.1.1.2.1.1.4) | read-only | Current | As per MIB |
| dot1xAuthAuthControlledPortStatus (1.0.8802.1.1.1.1.2.1.1.5) | read-only | No | Only valid on portbased method. |
| dot1xAuthAuthControlledPortControl (1.0.8802.1.1.1.1.2.1.1.6) | read-write | Current | As per MIB |
| dot1xAuthQuietPeriod (1.0.8802.1.1.1.1.2.1.1.7) | read-write | No | Only support read operation  The value is always 0 |
| dot1xAuthTxPeriod (1.0.8802.1.1.1.1.2.1.1.8) | read-write | No | Only support read operation  The value is always 0. |
| dot1xAuthSuppTimeout (1.0.8802.1.1.1.1.2.1.1.9) | read-write | No | Only support read operation  The value is always 0. |
| dot1xAuthServerTimeout (1.0.8802.1.1.1.1.2.1.1.10) | read-write | No | Only support read operation  The value is always 0. |
| dot1xAuthMaxReq (1.0.8802.1.1.1.1.2.1.1.11) | read-write | No | Only support read operation  The value is always 0. |
| dot1xAuthReAuthPeriod (1.0.8802.1.1.1.1.2.1.1.12) | read-write | Current | The value range is [60-7200] |
| dot1xAuthReAuthEnabled (1.0.8802.1.1.1.1.2.1.1.13) | read-write | Current | As per MIB |
| dot1xAuthKeyTxEnabled (1.0.8802.1.1.1.1.2.1.1.14) | read-write | No | Only support read operation |

## dot1xAuthStatsTable

OID of this table is :1.0.8802.1.1.1.1.2.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot1xAuthEapolFramesRx (1.0.8802.1.1.1.1.2.2.1.1) | read-only | No | As per MIB. |
| dot1xAuthEapolFramesTx (1.0.8802.1.1.1.1.2.2.1.2) | read-only | No | As per MIB. |
| dot1xAuthEapolStartFramesRx (1.0.8802.1.1.1.1.2.2.1.3) | read-only | No | As per MIB. |
| dot1xAuthEapolLogoffFramesRx (1.0.8802.1.1.1.1.2.2.1.4) | read-only | No | As per MIB. |
| dot1xAuthEapolRespIdFramesRx (1.0.8802.1.1.1.1.2.2.1.5) | read-only | No | As per MIB. |
| dot1xAuthEapolRespFramesRx (1.0.8802.1.1.1.1.2.2.1.6) | read-only | No | As per MIB. |
| dot1xAuthEapolReqIdFramesTx (1.0.8802.1.1.1.1.2.2.1.7) | read-only | No | As per MIB. |
| dot1xAuthEapolReqFramesTx (1.0.8802.1.1.1.1.2.2.1.8) | read-only | No | As per MIB. |
| dot1xAuthInvalidEapolFramesRx (1.0.8802.1.1.1.1.2.2.1.9) | read-only | No | As per MIB. |
| dot1xAuthEapLengthErrorFramesRx (1.0.8802.1.1.1.1.2.2.1.10) | read-only | No | The value is always 0. |
| dot1xAuthLastEapolFrameVersion (1.0.8802.1.1.1.1.2.2.1.11) | read-only | No | As per MIB. |
| dot1xAuthLastEapolFrameSource (1.0.8802.1.1.1.1.2.2.1.12) | read-only | No | The value is always 00:00:00:00:00:00 |

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## dot3adAggTable

OID of this table is :1.2.840.10006.300.43.1.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot3adAggIndex (1.2.840.10006.300.43.1.1.1.1.1) | not-accessible | No | As per MIB |
| dot3adAggMACAddress (1.2.840.10006.300.43.1.1.1.1.2) | read-only | No | As per MIB |
| dot3adAggActorSystemPriority (1.2.840.10006.300.43.1.1.1.1.3) | read-write | Current | As per MIB |
| dot3adAggActorSystemID (1.2.840.10006.300.43.1.1.1.1.4) | read-only | No | As per MIB |
| dot3adAggAggregateOrIndividual (1.2.840.10006.300.43.1.1.1.1.5) | read-only | No | As per MIB |
| dot3adAggActorAdminKey (1.2.840.10006.300.43.1.1.1.1.6) | read-write | Current | Only support read operation |
| dot3adAggActorOperKey (1.2.840.10006.300.43.1.1.1.1.7) | read-only | No | As per MIB |
| dot3adAggPartnerSystemID (1.2.840.10006.300.43.1.1.1.1.8) | read-only | No | As per MIB |
| dot3adAggPartnerSystemPriority (1.2.840.10006.300.43.1.1.1.1.9) | read-only | No | As per MIB |
| dot3adAggPartnerOperKey (1.2.840.10006.300.43.1.1.1.1.10) | read-only | No | As per MIB |
| dot3adAggCollectorMaxDelay (1.2.840.10006.300.43.1.1.1.1.11) | read-write | Current | Only support read operation. The value is always zero. |

## dot3adAggPortListTable

OID of this table is :1.2.840.10006.300.43.1.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot3adAggPortListPorts (1.2.840.10006.300.43.1.1.2.1.1) | read-only | No | As per MIB |

## dot3adAggPortTable

OID of this table is :1.2.840.10006.300.43.1.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot3adAggPortIndex (1.2.840.10006.300.43.1.2.1.1.1) | not-accessible | No | As per MIB |
| dot3adAggPortActorSystemPriority (1.2.840.10006.300.43.1.2.1.1.2) | read-write | Current | As per MIB |
| dot3adAggPortActorSystemID (1.2.840.10006.300.43.1.2.1.1.3) | read-only | No | As per MIB |
| dot3adAggPortActorAdminKey (1.2.840.10006.300.43.1.2.1.1.4) | read-write | Current | As per MIB |
| dot3adAggPortActorOperKey (1.2.840.10006.300.43.1.2.1.1.5) | read-write | no | Only support read operation |
| dot3adAggPortPartnerAdminSystemPriority (1.2.840.10006.300.43.1.2.1.1.6) | read-write | Current | Only support read operation. The value is always 32768. |
| dot3adAggPortPartnerOperSystemPriority (1.2.840.10006.300.43.1.2.1.1.7) | read-only | No | As per MIB |
| dot3adAggPortPartnerAdminSystemID (1.2.840.10006.300.43.1.2.1.1.8) | read-write | Current | Only support read operation. The value is always zero. |
| dot3adAggPortPartnerOperSystemID (1.2.840.10006.300.43.1.2.1.1.9) | read-only | No | As per MIB |
| dot3adAggPortPartnerAdminKey (1.2.840.10006.300.43.1.2.1.1.10) | read-write | Current | Only support read operation. The value is always zero. |
| dot3adAggPortPartnerOperKey (1.2.840.10006.300.43.1.2.1.1.11) | read-only | No | As per MIB |
| dot3adAggPortSelectedAggID (1.2.840.10006.300.43.1.2.1.1.12) | read-only | No | As per MIB |
| dot3adAggPortAttachedAggID (1.2.840.10006.300.43.1.2.1.1.13) | read-only | No | As per MIB |
| dot3adAggPortActorPort (1.2.840.10006.300.43.1.2.1.1.14) | read-only | No | As per MIB |
| dot3adAggPortActorPortPriority (1.2.840.10006.300.43.1.2.1.1.15) | read-write | Current | As per MIB |
| dot3adAggPortPartnerAdminPort (1.2.840.10006.300.43.1.2.1.1.16) | read-write | Current | Only support read operation. The value is always zero. |
| dot3adAggPortPartnerOperPort (1.2.840.10006.300.43.1.2.1.1.17) | read-only | No | As per MIB |
| dot3adAggPortPartnerAdminPortPriority (1.2.840.10006.300.43.1.2.1.1.18) | read-write | current | Only support read operation. The value is always 32768. |
| dot3adAggPortPartnerOperPortPriority (1.2.840.10006.300.43.1.2.1.1.19) | read-only | No | As per MIB |
| dot3adAggPortActorAdminState (1.2.840.10006.300.43.1.2.1.1.20) | read-write | Current | Only the LACP\_Timeout bit supports write operation. The value is always 45 or 47 (hex) if the port is a member of dynamic link aggregation group, otherwise 00 (hex). |
| dot3adAggPortActorOperState (1.2.840.10006.300.43.1.2.1.1.21) | read-only | No | As per MIB |
| dot3adAggPortPartnerAdminState (1.2.840.10006.300.43.1.2.1.1.22) | read-write | Current | Only support read operation. The value is always 38 hex if the port is a member of dynamic link aggregation group, otherwise 00 hex. |
| dot3adAggPortPartnerOperState (1.2.840.10006.300.43.1.2.1.1.23) | read-only | No | As per MIB |
| dot3adAggPortAggregateOrIndividual (1.2.840.10006.300.43.1.2.1.1.24) | read-only | No | As per MIB |

## dot3adAggPortStatsTable

OID of this table is :1.2.840.10006.300.43.1.2.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot3adAggPortStatsLACPDUsRx (1.2.840.10006.300.43.1.2.2.1.1) | read-only | No | As per MIB |
| dot3adAggPortStatsMarkerPDUsRx (1.2.840.10006.300.43.1.2.2.1.2) | read-only | No | As per MIB |
| dot3adAggPortStatsMarkerResponsePDUsRx (1.2.840.10006.300.43.1.2.2.1.3) | read-only | No | As per MIB |
| dot3adAggPortStatsUnknownRx (1.2.840.10006.300.43.1.2.2.1.4) | read-only | No | As per MIB |
| dot3adAggPortStatsIllegalRx (1.2.840.10006.300.43.1.2.2.1.5) | read-only | No | As per MIB |
| dot3adAggPortStatsLACPDUsTx (1.2.840.10006.300.43.1.2.2.1.6) | read-only | No | As per MIB |
| dot3adAggPortStatsMarkerPDUsTx (1.2.840.10006.300.43.1.2.2.1.7) | read-only | No | As per MIB |
| dot3adAggPortStatsMarkerResponsePDUsTx (1.2.840.10006.300.43.1.2.2.1.8) | read-only | No | As per MIB |

## dot3adAggPortDebugTable

OID of this table is :1.2.840.10006.300.43.1.2.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot3adAggPortDebugRxState (1.2.840.10006.300.43.1.2.3.1.1) | read-only | No | As per MIB |
| dot3adAggPortDebugLastRxTime (1.2.840.10006.300.43.1.2.3.1.2) | read-only | No | As per MIB |
| dot3adAggPortDebugMuxState (1.2.840.10006.300.43.1.2.3.1.3) | read-only | No | As per MIB |
| dot3adAggPortDebugMuxReason (1.2.840.10006.300.43.1.2.3.1.4) | read-only | No | As per MIB |
| dot3adAggPortDebugActorChurnState (1.2.840.10006.300.43.1.2.3.1.5) | read-only | No | As per MIB |
| dot3adAggPortDebugPartnerChurnState (1.2.840.10006.300.43.1.2.3.1.6) | read-only | No | As per MIB |
| dot3adAggPortDebugActorChurnCount (1.2.840.10006.300.43.1.2.3.1.7) | read-only | No | As per MIB |
| dot3adAggPortDebugPartnerChurnCount (1.2.840.10006.300.43.1.2.3.1.8) | read-only | No | As per MIB |
| dot3adAggPortDebugActorSyncTransitionCount (1.2.840.10006.300.43.1.2.3.1.9) | read-only | No | Not support. |
| dot3adAggPortDebugPartnerSyncTransitionCount (1.2.840.10006.300.43.1.2.3.1.10) | read-only | No | Not support. |
| dot3adAggPortDebugActorChangeCount (1.2.840.10006.300.43.1.2.3.1.11) | read-only | No | As per MIB |
| dot3adAggPortDebugPartnerChangeCount (1.2.840.10006.300.43.1.2.3.1.12) | read-only | No | As per MIB |

# IGMP-STD-MIB

# igmpInterfaceTable

OID of this table is :1.3.6.1.2.1.85.1.1

The igmpInterfaceTable contains one row for each interface on which IGMP is enabled. It is used to configure the IGMP information on the interface.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| igmpInterfaceIfIndex (1.3.6.1.2.1.85.1.1.1.1) | not-accessible | Current | As per MIB. |
| igmpInterfaceQueryInterval (1.3.6.1.2.1.85.1.1.1.2) | read-create | Current | As per MIB. |
| igmpInterfaceStatus (1.3.6.1.2.1.85.1.1.1.3) | read-create | Current | As per MIB. |
| igmpInterfaceVersion (1.3.6.1.2.1.85.1.1.1.4) | read-create | Current | The value range is 1 to 2. |
| igmpInterfaceQuerier (1.3.6.1.2.1.85.1.1.1.5) | read-only | Current | As per MIB. |
| igmpInterfaceQueryMaxResponseTime (1.3.6.1.2.1.85.1.1.1.6) | read-create | Current | The value range is 10 to 250. |
| igmpInterfaceQuerierUpTime (1.3.6.1.2.1.85.1.1.1.7) | read-only | Current | Not supported. |
| igmpInterfaceQuerierExpiryTime (1.3.6.1.2.1.85.1.1.1.8) | read-only | Current | As per MIB. |
| igmpInterfaceVersion1QuerierTimer (1.3.6.1.2.1.85.1.1.1.9) | read-only | Current | Not supported. |
| igmpInterfaceWrongVersionQueries (1.3.6.1.2.1.85.1.1.1.10) | read-only | Current | Not supported. |
| igmpInterfaceJoins (1.3.6.1.2.1.85.1.1.1.11) | read-only | Current | As per MIB. |
| igmpInterfaceProxyIfIndex (1.3.6.1.2.1.85.1.1.1.12) | read-create | Current | Only support read operation. |
| igmpInterfaceGroups (1.3.6.1.2.1.85.1.1.1.13) | read-only | Current | As per MIB. |
| igmpInterfaceRobustness (1.3.6.1.2.1.85.1.1.1.14) | read-create | Current | The value range is 2 to 5. |
| igmpInterfaceLastMembQueryIntvl (1.3.6.1.2.1.85.1.1.1.15) | read-create | Current | The value range is 10 to 50. |

# igmpCacheTable

OID of this table is :1.3.6.1.2.1.85.1.2

The igmpCacheTable contains information about multicast groups for which there are members on a particular interface.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| igmpCacheAddress (1.3.6.1.2.1.85.1.2.1.1) | not-accessible | No | As per MIB. |
| igmpCacheIfIndex (1.3.6.1.2.1.85.1.2.1.2) | not-accessible | No | As per MIB. |
| igmpCacheSelf (1.3.6.1.2.1.85.1.2.1.3) | read-create | No | Not supported. |
| igmpCacheLastReporter (1.3.6.1.2.1.85.1.2.1.4) | read-only | No | As per MIB. |
| igmpCacheUpTime (1.3.6.1.2.1.85.1.2.1.5) | read-only | No | As per MIB. |
| igmpCacheExpiryTime (1.3.6.1.2.1.85.1.2.1.6) | read-only | No | As per MIB. |
| igmpCacheStatus (1.3.6.1.2.1.85.1.2.1.7) | read-create | No | Only support read operation. |
| igmpCacheVersion1HostTimer (1.3.6.1.2.1.85.1.2.1.8) | read-only | No | As per MIB. |

# IP-FORWARD-MIB

# ipCidrRouteTable (support 32bits mask)

OID of this table is :1.3.6.1.2.1.4.24.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipCidrRouteDest (1.3.6.1.2.1.4.24.4.1.1) | read-only | No | As per MIB |
| ipCidrRouteMask (1.3.6.1.2.1.4.24.4.1.2) | read-only | No | As per MIB |
| ipCidrRouteTos (1.3.6.1.2.1.4.24.4.1.3) | read-only | No | As per MIB |
| ipCidrRouteNextHop (1.3.6.1.2.1.4.24.4.1.4) | read-only | No | As per MIB |
| ipCidrRouteIfIndex (1.3.6.1.2.1.4.24.4.1.5) | read-create | No | Only support read operation |
| ipCidrRouteType (1.3.6.1.2.1.4.24.4.1.6) | read-create | No | There are only three types: reject, remote and local,  Only support read operation |
| ipCidrRouteProto (1.3.6.1.2.1.4.24.4.1.7) | read-only | No | Support local, rip, ospf, is-is, bgp, other (means not specified). |
| ipCidrRouteAge (1.3.6.1.2.1.4.24.4.1.8) | read-only | No | Only support read operation |
| ipCidrRouteInfo (1.3.6.1.2.1.4.24.4.1.9) | read-create | No | The value is always NULL.  Only support read operation |
| ipCidrRouteNextHopAS (1.3.6.1.2.1.4.24.4.1.10) | read-create | No | The value is always 0,  Only support read operation |
| ipCidrRouteMetric1 (1.3.6.1.2.1.4.24.4.1.11) | read-create | No | Interior metric of this route, Only support read operation |
| ipCidrRouteMetric2 (1.3.6.1.2.1.4.24.4.1.12) | read-create | No | The value is always -1,  Only support read operation |
| ipCidrRouteMetric3 (1.3.6.1.2.1.4.24.4.1.13) | read-create | No | The value is always -1,  Only support read operation |
| ipCidrRouteMetric4 (1.3.6.1.2.1.4.24.4.1.14) | read-create | No | The value is always -1,  Only support read operation |
| ipCidrRouteMetric5 (1.3.6.1.2.1.4.24.4.1.15) | read-create | No | The value is always -1,  Only support read operation |
| ipCidrRouteStatus (1.3.6.1.2.1.4.24.4.1.16) | read-create | No | Only support read operation |

# inetCidrRouteTable

OID of this table is: 1.3.6.1.2.1.4.24.7

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| inetCidrRouteDestType  (1.3.6.1.2.1.4.24.7.1.1) | not-accessible | No | As per MIB |
| inetCidrRouteDest  (1.3.6.1.2.1.4.24.7.1.2) | not-accessible | No | As per MIB |
| inetCidrRoutePfxLen  (1.3.6.1.2.1.4.24.7.1.3) | not-accessible | No | As per MIB |
| inetCidrRoutePolicy  (1.3.6.1.2.1.4.24.7.1.4) | not-accessible | No | As per MIB |
| inetCidrRouteNextHopType  (1.3.6.1.2.1.4.24.7.1.5) | not-accessible | No | As per MIB |
| inetCidrRouteNextHop  (1.3.6.1.2.1.4.24.7.1.6) | not-accessible | No | As per MIB |
| inetCidrRouteIfIndex  (1.3.6.1.2.1.4.24.7.1.7) | read-create | No | Only support read operation |
| inetCidrRouteType  (1.3.6.1.2.1.4.24.7.1.8) | read-create | No | There are only three types: remote,local and blackhole  Only support read operation |
| inetCidrRouteProto  (1.3.6.1.2.1.4.24.7.1.9) | read-only | No | Support local, netmgmt, rip, ospf, is-is, bgp, other (means not specified). |
| inetCidrRouteAge  (1.3.6.1.2.1.4.24.7.1.10) | read-only | No | As per MIB |
| inetCidrRouteNextHopAS  (1.3.6.1.2.1.4.24.7.1.11) | read-create | No | The value is always 0,  Only support read operation |
| inetCidrRouteMetric1  (1.3.6.1.2.1.4.24.7.1.12) | read-create | No | Interior metric of this route, Only support read operation |
| inetCidrRouteMetric2  (1.3.6.1.2.1.4.24.7.1.13) | read-create | No | The value is always -1,  Only support read operation |
| inetCidrRouteMetric3  (1.3.6.1.2.1.4.24.7.1.14) | read-create | No | The value is always -1,  Only support read operation |
| inetCidrRouteMetric4  (1.3.6.1.2.1.4.24.7.1.15) | read-create | No | The value is always -1,  Only support read operation |
| inetCidrRouteMetric5  (1.3.6.1.2.1.4.24.7.1.16) | read-create | No | The value is always -1,  Only support read operation |
| inetCidrRouteStatus  (1.3.6.1.2.1.4.24.7.1.17) | read-create | No | Only support read operation |

# Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipCidrRouteNumber (1.3.6.1.2.1.4.24.3) | read-only | No | As per MIB(support 32 bits mask) |
| inetCidrRouteNumber (1.3.6.1.2.1.4.24.6) | read-only | No | As per MIB |
| inetCidrRouteDiscards (1.3.6.1.2.1.4.24.8) | read-only | No | As per MIB |

# IPV6-TCP-MIB

# ipv6TcpConnTable

OID of this table is :1.3.6.1.2.1.6.16

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipv6TcpConnLocalAddress (1.3.6.1.2.1.6.16.1.1) | Not-accessible | No | As per MIB |
| ipv6TcpConnLocalPort (1.3.6.1.2.1.6.16.1.2) | not-accessible | No | As per MIB |
| ipv6TcpConnRemAddress (1.3.6.1.2.1.6.16.1.3) | not-accessible | No | As per MIB |
| ipv6TcpConnRemPort (1.3.6.1.2.1.6.16.1.4) | not-accessible | No | As per MIB |
| ipv6TcpConnIfIndex (1.3.6.1.2.1.6.16.1.5) | not-accessible | No | As per MIB |
| ipv6TcpConnState (1.3.6.1.2.1.6.16.1.6) | read-write | No | Only support read operation |

# IPV6-UDP-MIB

# ipv6UdpTable

OID of this table is :1.3.6.1.2.1.7.6

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipv6UdpLocalAddress (1.3.6.1.2.1.7.6.1.1) | Not-accessible | No | As per MIB |
| ipv6UdpLocalPort (1.3.6.1.2.1.7.6.1.2) | not-accessible | No | As per MIB |
| ipv6UdpIfIndex (1.3.6.1.2.1.7.6.1.3) | read-only | No | As per MIB |

# IPV6-ICMP-MIB

# ipv6IfIcmpTable

OID of this table is :1.3.6.1.2.1.56.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipv6IfIcmpInMsgs (1.3.6.1.2.1.56.1.1.1.1) | read-only | No | As per MIB |
| ipv6IfIcmpInErrors (1.3.6.1.2.1.56.1.1.1.2) | read-only | No | As per MIB |
| ipv6IfIcmpInDestUnreachs (1.3.6.1.2.1.56.1.1.1.3) | read-only | No | As per MIB |
| ipv6IfIcmpInAdminProhibs (1.3.6.1.2.1.56.1.1.1.4) | read-only | No | As per MIB |
| ipv6IfIcmpInTimeExcds (1.3.6.1.2.1.56.1.1.1.5) | read-only | No | As per MIB |
| ipv6IfIcmpInParmProblems (1.3.6.1.2.1.56.1.1.1.6) | read-only | No | As per MIB |
| ipv6IfIcmpInPktTooBigs (1.3.6.1.2.1.56.1.1.1.7) | read-only | No | As per MIB |
| ipv6IfIcmpInEchos (1.3.6.1.2.1.56.1.1.1.8) | read-only | No | As per MIB |
| ipv6IfIcmpInEchoReplies (1.3.6.1.2.1.56.1.1.1.9) | read-only | No | As per MIB |
| ipv6IfIcmpInRouterSolicits (1.3.6.1.2.1.56.1.1.1.10) | read-only | No | As per MIB |
| ipv6IfIcmpInRouterAdvertisements (1.3.6.1.2.1.56.1.1.1.11) | read-only | No | As per MIB |
| ipv6IfIcmpInNeighborSolicits (1.3.6.1.2.1.56.1.1.1.12) | read-only | No | As per MIB |
| ipv6IfIcmpInNeighborAdvertisements (1.3.6.1.2.1.56.1.1.1.13) | read-only | No | As per MIB |
| ipv6IfIcmpInRedirects (1.3.6.1.2.1.56.1.1.1.14) | read-only | No | As per MIB |
| ipv6IfIcmpInGroupMembQueries (1.3.6.1.2.1.56.1.1.1.15) | read-only | No | As per MIB |
| ipv6IfIcmpInGroupMembResponses (1.3.6.1.2.1.56.1.1.1.16) | read-only | No | As per MIB |
| ipv6IfIcmpInGroupMembReductions (1.3.6.1.2.1.56.1.1.1.17) | read-only | No | As per MIB |
| ipv6IfIcmpOutMsgs (1.3.6.1.2.1.56.1.1.1.18) | read-only | No | As per MIB |
| ipv6IfIcmpOutErrors (1.3.6.1.2.1.56.1.1.1.19) | read-only | No | As per MIB |
| ipv6IfIcmpOutDestUnreachs (1.3.6.1.2.1.56.1.1.1.20) | read-only | No | As per MIB |
| ipv6IfIcmpOutAdminProhibs (1.3.6.1.2.1.56.1.1.1.21) | read-only | No | As per MIB |
| ipv6IfIcmpOutTimeExcds (1.3.6.1.2.1.56.1.1.1.22) | read-only | No | As per MIB |
| ipv6IfIcmpOutParmProblems (1.3.6.1.2.1.56.1.1.1.23) | read-only | No | As per MIB |
| ipv6IfIcmpOutPktTooBigs (1.3.6.1.2.1.56.1.1.1.24) | read-only | No | As per MIB |
| ipv6IfIcmpOutEchos (1.3.6.1.2.1.56.1.1.1.25) | read-only | No | As per MIB |
| ipv6IfIcmpOutEchoReplies (1.3.6.1.2.1.56.1.1.1.26) | read-only | No | As per MIB |
| ipv6IfIcmpOutRouterSolicits (1.3.6.1.2.1.56.1.1.1.27) | read-only | No | As per MIB |
| ipv6IfIcmpOutRouterAdvertisements (1.3.6.1.2.1.56.1.1.1.28) | read-only | No | As per MIB |
| ipv6IfIcmpOutNeighborSolicits (1.3.6.1.2.1.56.1.1.1.29) | read-only | No | As per MIB |
| ipv6IfIcmpOutNeighborAdvertisements (1.3.6.1.2.1.56.1.1.1.30) | read-only | No | As per MIB |
| ipv6IfIcmpOutRedirects (1.3.6.1.2.1.56.1.1.1.31) | read-only | No | As per MIB |
| ipv6IfIcmpOutGroupMembQueries (1.3.6.1.2.1.56.1.1.1.32) | read-only | No | As per MIB |
| ipv6IfIcmpOutGroupMembResponses (1.3.6.1.2.1.56.1.1.1.33) | read-only | No | As per MIB |
| ipv6IfIcmpOutGroupMembReductions (1.3.6.1.2.1.56.1.1.1.34) | read-only | No | As per MIB |

# IPV6-MIB

# Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipv6Forwarding (1.3.6.1.2.1.55.1.1) | read-write | Current | Only support read operation |
| ipv6DefaultHopLimit (1.3.6.1.2.1.55.1.2) | read-write | Current | Only support read operation |
| ipv6Interfaces (1.3.6.1.2.1.55.1.3) | read-only | Current | Not supported |
| ipv6IfTableLastChange (1.3.6.1.2.1.55.1.4) | read-only | Current | Not supported |

# ipv6IfTable

OID of this table is :1.3.6.1.2.1.55.1.5

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipv6IfIndex (1.3.6.1.2.1.55.1.5.1.1) | not-accessible | No | As per MIB |
| ipv6IfDescr (1.3.6.1.2.1.55.1.5.1.2) | read-write | No | The string is no more than 80 characters. This variable is the same as ifAlias in ifXTable. |
| ipv6IfLowerLayer (1.3.6.1.2.1.55.1.5.1.3) | read-only | No | Not supported |
| ipv6IfEffectiveMtu (1.3.6.1.2.1.55.1.5.1.4) | read-only | No | Not supported |
| ipv6IfReasmMaxSize (1.3.6.1.2.1.55.1.5.1.5) | read-only | No | Not supported |
| ipv6IfIdentifier (1.3.6.1.2.1.55.1.5.1.6) | read-write | No | Only support read operation |
| ipv6IfIdentifierLength (1.3.6.1.2.1.55.1.5.1.7) | read-write | No | Only support read operation |
| ipv6IfPhysicalAddress (1.3.6.1.2.1.55.1.5.1.8) | read-only | Current | As per MIB |
| ipv6IfAdminStatus (1.3.6.1.2.1.55.1.5.1.9) | read-write | Current | Only support read operation |
| ipv6IfOperStatus (1.3.6.1.2.1.55.1.5.1.10) | read-only | No | As per MIB |
| ipv6IfLastChange (1.3.6.1.2.1.55.1.5.1.11) | read-only | Current | As per MIB |

# ipv6IfStatsTable

OID of this table is :1.3.6.1.2.1.55.1.6

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipv6IfStatsInReceives (1.3.6.1.2.1.55.1.6.1.1) | read-only | No | As per MIB |
| ipv6IfStatsInHdrErrors (1.3.6.1.2.1.55.1.6.1.2) | read-only | No | As per MIB |
| ipv6IfStatsInTooBigErrors (1.3.6.1.2.1.55.1.6.1.3) | read-only | No | As per MIB |
| ipv6IfStatsInNoRoutes (1.3.6.1.2.1.55.1.6.1.4) | read-only | No | As per MIB |
| ipv6IfStatsInAddrErrors (1.3.6.1.2.1.55.1.6.1.5) | read-only | No | As per MIB |
| ipv6IfStatsInUnknownProtos (1.3.6.1.2.1.55.1.6.1.6) | read-only | No | As per MIB |
| ipv6IfStatsInTruncatedPkts (1.3.6.1.2.1.55.1.6.1.7) | read-only | No | As per MIB |
| ipv6IfStatsInDiscards (1.3.6.1.2.1.55.1.6.1.8) | read-only | No | As per MIB |
| ipv6IfStatsInDelivers (1.3.6.1.2.1.55.1.6.1.9) | read-only | No | As per MIB |
| ipv6IfStatsOutForwDatagrams (1.3.6.1.2.1.55.1.6.1.10) | read-only | No | As per MIB |
| ipv6IfStatsOutRequests (1.3.6.1.2.1.55.1.6.1.11) | read-only | No | As per MIB |
| ipv6IfStatsOutDiscards (1.3.6.1.2.1.55.1.6.1.12) | read-only | No | As per MIB |
| ipv6IfStatsOutFragOKs (1.3.6.1.2.1.55.1.6.1.13) | read-only | No | As per MIB |
| ipv6IfStatsOutFragFails (1.3.6.1.2.1.55.1.6.1.14) | read-only | No | As per MIB |
| ipv6IfStatsOutFragCreates (1.3.6.1.2.1.55.1.6.1.15) | read-only | No | As per MIB |
| ipv6IfStatsReasmReqds (1.3.6.1.2.1.55.1.6.1.16) | read-only | No | As per MIB |
| ipv6IfStatsReasmOKs (1.3.6.1.2.1.55.1.6.1.17) | read-only | No | As per MIB |
| ipv6IfStatsReasmFails (1.3.6.1.2.1.55.1.6.1.18) | read-only | No | As per MIB |
| ipv6IfStatsInMcastPkts (1.3.6.1.2.1.55.1.6.1.19) | read-only | No | As per MIB |
| ipv6IfStatsOutMcastPkts (1.3.6.1.2.1.55.1.6.1.20) | read-only | No | As per MIB |

# ipv6AddrPrefixTable

OID of this table is :1.3.6.1.2.1.55.1.7

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipv6AddrPrefix (1.3.6.1.2.1.55.1.7.1.1) | not-accessible | Current | As per MIB |
| ipv6AddrPrefixLength (1.3.6.1.2.1.55.1.7.1.2) | not-accessible | Current | As per MIB |
| ipv6AddrPrefixOnLinkFlag (1.3.6.1.2.1.55.1.7.1.3) | read-only | No | As per MIB |
| ipv6AddrPrefixAutonomousFlag (1.3.6.1.2.1.55.1.7.1.4) | read-only | No | As per MIB |
| ipv6AddrPrefixAdvPreferredLifetime (1.3.6.1.2.1.55.1.7.1.5) | read-only | No | As per MIB |
| ipv6AddrPrefixAdvValidLifetime (1.3.6.1.2.1.55.1.7.1.6) | read-only | No | As per MIB |

# ipv6AddrTable

OID of this table is :1.3.6.1.2.1.55.1.8

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipv6AddrAddress (1.3.6.1.2.1.55.1.8.1.1) | not-accessible | Current | As per MIB |
| ipv6AddrPfxLength (1.3.6.1.2.1.55.1.8.1.2) | read-only | Current | As per MIB |
| ipv6AddrType (1.3.6.1.2.1.55.1.8.1.3) | read-only | Current | As per MIB |
| ipv6AddrAnycastFlag (1.3.6.1.2.1.55.1.8.1.4) | read-only | No | As per MIB |
| ipv6AddrStatus (1.3.6.1.2.1.55.1.8.1.5) | read-only | No | As per MIB |

# route scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipv6RouteNumber (1.3.6.1.2.1.55.1.9) | read-only | Current | As per MIB(support 128bit mask) |
| ipv6DiscardedRoutes (1.3.6.1.2.1.55.1.10) | read-only | Current | As per MIB(support 128bit mask) |

# ipv6RouteTable(support 128bit mask)

OID of this table is :1.3.6.1.2.1.55.1.11

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipv6RouteDest (1.3.6.1.2.1.55.1.11.1.1) | not-accessible | No | As per MIB |
| ipv6RoutePfxLength (1.3.6.1.2.1.55.1.11.1.2) | not-accessible | No | As per MIB |
| ipv6RouteIndex (1.3.6.1.2.1.55.1.11.1.3) | not-accessible | No | As per MIB |
| ipv6RouteIfIndex (1.3.6.1.2.1.55.1.11.1.4) | read-only | No | As per MIB |
| ipv6RouteNextHop (1.3.6.1.2.1.55.1.11.1.5) | read-only | No | As per MIB |
| ipv6RouteType (1.3.6.1.2.1.55.1.11.1.6) | read-only | Current | As per MIB |
| ipv6RouteProtocol (1.3.6.1.2.1.55.1.11.1.7) | read-only | Current | As per MIB |
| ipv6RoutePolicy (1.3.6.1.2.1.55.1.11.1.8) | read-only | Current | As per MIB |
| ipv6RouteAge (1.3.6.1.2.1.55.1.11.1.9) | read-only | Current | As per MIB |
| ipv6RouteNextHopRDI (1.3.6.1.2.1.55.1.11.1.10) | read-only | No | As per MIB |
| ipv6RouteMetric (1.3.6.1.2.1.55.1.11.1.11) | read-only | Current | As per MIB |
| ipv6RouteWeight (1.3.6.1.2.1.55.1.11.1.12) | read-only | No | As per MIB |
| ipv6RouteInfo (1.3.6.1.2.1.55.1.11.1.13) | read-only | No | As per MIB |
| ipv6RouteValid (1.3.6.1.2.1.55.1.11.1.14) | read-only | No | As per MIB |

# ipv6NetToMediaTable

OID of this table is :1.3.6.1.2.1.55.1.12

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipv6NetToMediaNetAddress (1.3.6.1.2.1.55.1.12.1.1) | not-accessible | Current | As per MIB |
| ipv6NetToMediaPhysAddress (1.3.6.1.2.1.55.1.12.1.2) | read-only | Current | As per MIB |
| ipv6NetToMediaType (1.3.6.1.2.1.55.1.12.1.3) | read-only | Current | As per MIB |
| ipv6IfNetToMediaState (1.3.6.1.2.1.55.1.12.1.4) | read-only | Current | As per MIB |
| ipv6IfNetToMediaLastUpdated (1.3.6.1.2.1.55.1.12.1.5) | read-only | No | As per MIB |
| ipv6NetToMediaValid (1.3.6.1.2.1.55.1.12.1.6) | read-write | Current | Only support read operation |

# LLDP-EXT-DOT1-MIB

Notes:

The following section defines the Management Information Base (MIB) for link layer discovery protocol in the Internet community. In particular, it describes a set of managed objects that allow managing discovery operations, which are used on LAN switch products. The definitions of managed objects in the following section are formed into a specification for link layer discovery used for switches.

The Link Layer Discovery Protocol (LLDP) allows stations attached to an IEEE 802 LAN to advertise, to other stations attached to the same IEEE 802 LAN, the major capabilities provided by the system incorporating that station, the management address or addresses of the entity or entities that provide management of those capabilities, and the identification of the station’s point of attachment to the IEEE 802 LAN required by those management entity or entities.

The information distributed via this protocol is stored by its recipients in a standard Management Information Base (MIB), making it possible for the information to be accessed by a Network Management System (NMS) using a management protocol such as the Simple Network Management Protocol (SNMP).

In this section, several set operations about enable IEEE802.1 organizational specific TLVs transmission on given port are presented. For this purpose, the value of associated objects should be set to:

lldpXdot1ConfigPortVlanTxEnable. 20 = ‘TRUE’, Allowed Port VLAN ID TLV transmission on given port.

lldpXdot1ConfigVlanNameTxEnable. 20 = ‘FASLSE’, Allowed VLAN Name TLV transmission on given port.

lldpXdot1ConfigProtoVlanTxEnable. 20 = ‘FALSE’, Allowed Port and Protocol VLAN TLV transmission on given port.

# lldpXdot1ConfigPortVlanTable

OID of this table is :1.0.8802.1.1.2.1.5.32962.1.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpXdot1ConfigPortVlanTxEnable (1.0.8802.1.1.2.1.5.32962.1.1.1.1.1) | read-write | Current | Default value(TRUE) |

# lldpXdot1ConfigVlanNameTable

OID of this table is :1.0.8802.1.1.2.1.5.32962.1.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpXdot1ConfigVlanNameTxEnable (1.0.8802.1.1.2.1.5.32962.1.1.2.1.1) | read-write | Current | Default value (FALSE).If port is down and the vlanid of the port is changed,the value will not be changed,it will be changed only when the roll switch is on |

# lldpXdot1ConfigProtoVlanTable

OID of this table is :1.0.8802.1.1.2.1.5.32962.1.1.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpXdot1ConfigProtoVlanTxEnable (1.0.8802.1.1.2.1.5.32962.1.1.3.1.1) | read-write | Current | Default value (FALSE). If port is down and the vlanid of the port is changed,the value will not be changed,it will be changed only when the roll switch is on |

# lldpXdot1ConfigProtocolTable

OID of this table is :1.0.8802.1.1.2.1.5.32962.1.1.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpXdot1ConfigProtocolTxEnable (1.0.8802.1.1.2.1.5.32962.1.1.4.1.1) | read-write | Current | Not supported.The value is FALSE |

# lldpXdot1LocTable

OID of this table is :1.0.8802.1.1.2.1.5.32962.1.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpXdot1LocPortVlanId (1.0.8802.1.1.2.1.5.32962.1.2.1.1.1) | read-only | Current | As per MIB |

# lldpXdot1LocProtoVlanTable

OID of this table is :1.0.8802.1.1.2.1.5.32962.1.2.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpXdot1LocProtoVlanId (1.0.8802.1.1.2.1.5.32962.1.2.2.1.1) | not-accessible | Current | As per MIB |
| lldpXdot1LocProtoVlanSupported (1.0.8802.1.1.2.1.5.32962.1.2.2.1.2) | read-only | Yes | As per MIB |
| lldpXdot1LocProtoVlanEnabled (1.0.8802.1.1.2.1.5.32962.1.2.2.1.3) | read-only | Current | As per MIB |

# lldpXdot1LocVlanNameTable

OID of this table is :1.0.8802.1.1.2.1.5.32962.1.2.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpXdot1LocVlanId (1.0.8802.1.1.2.1.5.32962.1.2.3.1.1) | not-accessible | Current | As per MIB |
| lldpXdot1LocVlanName (1.0.8802.1.1.2.1.5.32962.1.2.3.1.2) | read-only | Current | As per MIB |

# lldpXdot1LocProtocolTable

OID of this table is :1.0.8802.1.1.2.1.5.32962.1.2.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpXdot1LocProtocolIndex (1.0.8802.1.1.2.1.5.32962.1.2.4.1.1) | not-accessible | No | Not supported.The value is 1 |
| lldpXdot1LocProtocolId (1.0.8802.1.1.2.1.5.32962.1.2.4.1.2) | read-only | Yes | Not supported.The value is protocol |

# lldpXdot1RemTable

OID of this table is :1.0.8802.1.1.2.1.5.32962.1.3.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpXdot1RemPortVlanId (1.0.8802.1.1.2.1.5.32962.1.3.1.1.1) | read-only | No | As per MIB |

# lldpXdot1RemProtoVlanTable

OID of this table is :1.0.8802.1.1.2.1.5.32962.1.3.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpXdot1RemProtoVlanId (1.0.8802.1.1.2.1.5.32962.1.3.2.1.1) | not-accessible | No | As per MIB |
| lldpXdot1RemProtoVlanSupported (1.0.8802.1.1.2.1.5.32962.1.3.2.1.2) | read-only | No | As per MIB |
| lldpXdot1RemProtoVlanEnabled (1.0.8802.1.1.2.1.5.32962.1.3.2.1.3) | read-only | No | As per MIB |

# lldpXdot1RemVlanNameTable

OID of this table is :1.0.8802.1.1.2.1.5.32962.1.3.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpXdot1RemVlanId (1.0.8802.1.1.2.1.5.32962.1.3.3.1.1) | not-accessible | No | As per MIB |
| lldpXdot1RemVlanName (1.0.8802.1.1.2.1.5.32962.1.3.3.1.2) | read-only | No | As per MIB |

# lldpXdot1RemProtocolTable

OID of this table is :1.0.8802.1.1.2.1.5.32962.1.3.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpXdot1RemProtocolIndex (1.0.8802.1.1.2.1.5.32962.1.3.4.1.1) | not-accessible | No | As per MIB |
| lldpXdot1RemProtocolId (1.0.8802.1.1.2.1.5.32962.1.3.4.1.2) | read-only | No | As per MIB |

# LLDP-EXT-DOT3-MIB

Notes:

ment doly The managed objects defined in this document are belonging to the LLDP-EXT-DOT3-MIB module for IEEE 802.3 organizationally defined discovery information. These managed objects can be used for dynamically configuring the LLDP,advertise the IEEE 802.3 organizationally defined discovery information of the local system ports, store the IEEE 802.3 organizationally defined discovery information of the remote system ports.

All the IEEE 802.3 organizationally defined discovery information will be transmitted on every port as default configuration, so when LLDP is global enabled on a switch , the following value will be set:

lldpXdot3PortConfigTLVsTxEnable.20 = ‘ f ’ H

The network management can configure to transmit some of that information and let the others not to be transmitted.

For example, if the network management only want to transmit Link Aggregation TLV and Maximum Frame Size TLV in the LLDPDU on a given port, the following value will be set:

lldpXdot3PortConfigTLVsTxEnable.20 = ‘c’ H

# lldpXdot3PortConfigTable

OID of this table is :1.0.8802.1.1.2.1.5.4623.1.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpXdot3PortConfigTLVsTxEnable (1.0.8802.1.1.2.1.5.4623.1.1.1.1.1) | read-write | Current | Every bit will be set to ‘1’ as default, which means all IEEE 802.3 organizationally defined TLVs will be transmitted on the given port. |

# lldpXdot3LocPortTable

OID of this table is :1.0.8802.1.1.2.1.5.4623.1.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpXdot3LocPortAutoNegSupported (1.0.8802.1.1.2.1.5.4623.1.2.1.1.1) | read-only | Yes | As per MIB |
| lldpXdot3LocPortAutoNegEnabled (1.0.8802.1.1.2.1.5.4623.1.2.1.1.2) | read-only | Current | As per MIB |
| lldpXdot3LocPortAutoNegAdvertisedCap (1.0.8802.1.1.2.1.5.4623.1.2.1.1.3) | read-only | Yes | As per MIB |
| lldpXdot3LocPortOperMauType (1.0.8802.1.1.2.1.5.4623.1.2.1.1.4) | read-only | Yes | As per MIB |

# lldpXdot3LocPowerTable

OID of this table is :1.0.8802.1.1.2.1.5.4623.1.2.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpXdot3LocPowerPortClass (1.0.8802.1.1.2.1.5.4623.1.2.2.1.1) | read-only | Yes | As per MIB |
| lldpXdot3LocPowerMDISupported (1.0.8802.1.1.2.1.5.4623.1.2.2.1.2) | read-only | Yes | As per MIB |
| lldpXdot3LocPowerMDIEnabled (1.0.8802.1.1.2.1.5.4623.1.2.2.1.3) | read-only | Current | As per MIB |
| lldpXdot3LocPowerPairControlable (1.0.8802.1.1.2.1.5.4623.1.2.2.1.4) | read-only | Yes | As per MIB |
| lldpXdot3LocPowerPairs (1.0.8802.1.1.2.1.5.4623.1.2.2.1.5) | read-only | Yes | As per MIB |
| lldpXdot3LocPowerClass (1.0.8802.1.1.2.1.5.4623.1.2.2.1.6) | read-only | Yes | As per MIB |

# lldpXdot3LocLinkAggTable

OID of this table is :1.0.8802.1.1.2.1.5.4623.1.2.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpXdot3LocLinkAggStatus (1.0.8802.1.1.2.1.5.4623.1.2.3.1.1) | read-only | Current | As per MIB |
| lldpXdot3LocLinkAggPortId (1.0.8802.1.1.2.1.5.4623.1.2.3.1.2) | read-only | Current | As per MIB |

# lldpXdot3LocMaxFrameSizeTable

OID of this table is :1.0.8802.1.1.2.1.5.4623.1.2.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpXdot3LocMaxFrameSize (1.0.8802.1.1.2.1.5.4623.1.2.4.1.1) | read-only | Current | As per MIB |

# lldpXdot3RemPortTable

OID of this table is :1.0.8802.1.1.2.1.5.4623.1.3.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpXdot3RemPortAutoNegSupported (1.0.8802.1.1.2.1.5.4623.1.3.1.1.1) | read-only | No | As per MIB |
| lldpXdot3RemPortAutoNegEnabled (1.0.8802.1.1.2.1.5.4623.1.3.1.1.2) | read-only | No | As per MIB |
| lldpXdot3RemPortAutoNegAdvertisedCap (1.0.8802.1.1.2.1.5.4623.1.3.1.1.3) | read-only | No | As per MIB |
| lldpXdot3RemPortOperMauType (1.0.8802.1.1.2.1.5.4623.1.3.1.1.4) | read-only | No | As per MIB |

# lldpXdot3RemPowerTable

OID of this table is :1.0.8802.1.1.2.1.5.4623.1.3.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpXdot3RemPowerPortClass (1.0.8802.1.1.2.1.5.4623.1.3.2.1.1) | read-only | No | As per MIB |
| lldpXdot3RemPowerMDISupported (1.0.8802.1.1.2.1.5.4623.1.3.2.1.2) | read-only | No | As per MIB |
| lldpXdot3RemPowerMDIEnabled (1.0.8802.1.1.2.1.5.4623.1.3.2.1.3) | read-only | No | As per MIB |
| lldpXdot3RemPowerPairControlable (1.0.8802.1.1.2.1.5.4623.1.3.2.1.4) | read-only | No | As per MIB |
| lldpXdot3RemPowerPairs (1.0.8802.1.1.2.1.5.4623.1.3.2.1.5) | read-only | No | As per MIB |
| lldpXdot3RemPowerClass (1.0.8802.1.1.2.1.5.4623.1.3.2.1.6) | read-only | No | As per MIB |

# lldpXdot3RemLinkAggTable

OID of this table is :1.0.8802.1.1.2.1.5.4623.1.3.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpXdot3RemLinkAggStatus (1.0.8802.1.1.2.1.5.4623.1.3.3.1.1) | read-only | No | As per MIB |
| lldpXdot3RemLinkAggPortId (1.0.8802.1.1.2.1.5.4623.1.3.3.1.2) | read-only | No | As per MIB |

# lldpXdot3RemMaxFrameSizeTable

OID of this table is :1.0.8802.1.1.2.1.5.4623.1.3.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpXdot3RemMaxFrameSize (1.0.8802.1.1.2.1.5.4623.1.3.4.1.1) | read-only | No | As per MIB |

# LLDP-MIB

Notes:

This document defines the LLDP basic MIB for use with SNMP in TCP/IP based internets. The LLDP MIB consists of two types of MIB modules, the mandatory basic MIB defined in this clause and from zero to n optional organizationally specific MIB extensions such as LLDP-EXT-DOT1-MIB, LLDP-EXT-DOT3-MIB. Each MIB module is divided into two major sections to allow selective MIB support for the particular operating mode (transmit only, receive only, or both transmit and receive) being implemented. The basic MIB in this document describes LLDP configuration, statistics, local system data and remote systems data components.

All the basic discovery information will be transmitted on every port as default configuration. So when LLDP is global enabled on a switch , the following value will be set:

lldpPortConfigTLVsTxEnable = ‘ f ‘ H

The network management can configure to transmit some of that information and let the others not to be transmitted.

For example, if the network management only want to transmit System Name TLV in the LLDPDU on a given port, the following value will be set:

lldpPortConfigTLVsTxEnable.20 = ‘2’ H

# Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpMessageTxInterval (1.0.8802.1.1.2.1.1.1) | read-write | Current | As per MIB |
| lldpMessageTxHoldMultiplier (1.0.8802.1.1.2.1.1.2) | read-write | Current | As per MIB |
| lldpReinitDelay (1.0.8802.1.1.2.1.1.3) | read-write | Current | As per MIB |
| lldpTxDelay (1.0.8802.1.1.2.1.1.4) | read-write | Current | The following rule is not in effect: 1 <= lldpTxDelay <= (0.25 \* lldpMessageTxInterval). |
| lldpNotificationInterval (1.0.8802.1.1.2.1.1.5) | read-write | Current | As per MIB |
| lldpStatsRemTablesLastChangeTime (1.0.8802.1.1.2.1.2.1) | read-only | No | As per MIB |
| lldpStatsRemTablesInserts (1.0.8802.1.1.2.1.2.2) | read-only | No | As per MIB |
| lldpStatsRemTablesDeletes (1.0.8802.1.1.2.1.2.3) | read-only | No | As per MIB |
| lldpStatsRemTablesDrops (1.0.8802.1.1.2.1.2.4) | read-only | No | As per MIB |
| lldpStatsRemTablesAgeouts (1.0.8802.1.1.2.1.2.5) | read-only | No | As per MIB |
| lldpLocChassisIdSubtype (1.0.8802.1.1.2.1.3.1) | read-only | Yes | As per MIB |
| lldpLocChassisId (1.0.8802.1.1.2.1.3.2) | read-only | Current | As per MIB |
| lldpLocSysName (1.0.8802.1.1.2.1.3.3) | read-only | Current | As per MIB |
| lldpLocSysDesc (1.0.8802.1.1.2.1.3.4) | read-only | Current | As per MIB |
| lldpLocSysCapSupported (1.0.8802.1.1.2.1.3.5) | read-only | Yes | As per MIB |
| lldpLocSysCapEnabled (1.0.8802.1.1.2.1.3.6) | read-only | Current | As per MIB |

# lldpPortConfigTable

OID of this table is :1.0.8802.1.1.2.1.1.6

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpPortConfigPortNum (1.0.8802.1.1.2.1.1.6.1.1) | not-accessible | Yes | As per MIB |
| lldpPortConfigAdminStatus (1.0.8802.1.1.2.1.1.6.1.2) | read-write | Current | As per MIB |
| lldpPortConfigNotificationEnable (1.0.8802.1.1.2.1.1.6.1.3) | read-write | Current | As per MIB |
| lldpPortConfigTLVsTxEnable (1.0.8802.1.1.2.1.1.6.1.4) | read-write | Current | Every bit will be set to ‘1’ as default, which means all LLDP basic operational TLVs will be transmitted on the given port. |

# lldpConfigManAddrTable

OID of this table is :1.0.8802.1.1.2.1.1.7

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpConfigManAddrPortsTxEnable (1.0.8802.1.1.2.1.1.7.1.1) | read-write | Current | Each port of the system is represented by a single bit within the value of this object. Every bit will be set to ‘1’ as default. which means all ports are specified for advertising indicated management address instance. |

# lldpStatsTxPortTable

OID of this table is :1.0.8802.1.1.2.1.2.6

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpStatsTxPortNum (1.0.8802.1.1.2.1.2.6.1.1) | not-accessible | Yes | As per MIB |
| lldpStatsTxPortFramesTotal (1.0.8802.1.1.2.1.2.6.1.2) | read-only | No | As per MIB |

# lldpStatsRxPortTable

OID of this table is :1.0.8802.1.1.2.1.2.7

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpStatsRxPortNum (1.0.8802.1.1.2.1.2.7.1.1) | not-accessible | Yes | As per MIB |
| lldpStatsRxPortFramesDiscardedTotal (1.0.8802.1.1.2.1.2.7.1.2) | read-only | No | As per MIB |
| lldpStatsRxPortFramesErrors (1.0.8802.1.1.2.1.2.7.1.3) | read-only | No | As per MIB |
| lldpStatsRxPortFramesTotal (1.0.8802.1.1.2.1.2.7.1.4) | read-only | No | As per MIB |
| lldpStatsRxPortTLVsDiscardedTotal (1.0.8802.1.1.2.1.2.7.1.5) | read-only | No | As per MIB |
| lldpStatsRxPortTLVsUnrecognizedTotal (1.0.8802.1.1.2.1.2.7.1.6) | read-only | No | As per MIB |
| lldpStatsRxPortAgeoutsTotal (1.0.8802.1.1.2.1.2.7.1.7) | read-only | No | As per MIB |

# lldpLocPortTable

OID of this table is :1.0.8802.1.1.2.1.3.7

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpLocPortNum (1.0.8802.1.1.2.1.3.7.1.1) | not-accessible | Yes | As per MIB |
| lldpLocPortIdSubtype (1.0.8802.1.1.2.1.3.7.1.2) | read-only | Yes | As per MIB |
| lldpLocPortId (1.0.8802.1.1.2.1.3.7.1.3) | read-only | Yes | If the port has MED neighbor. The PortId will be MAC Address. If it has no MED neighbor, The PortId will be interface name |
| lldpLocPortDesc (1.0.8802.1.1.2.1.3.7.1.4) | read-only | Current | As per MIB |

# lldpLocManAddrTable

OID of this table is :1.0.8802.1.1.2.1.3.8

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpLocManAddrSubtype (1.0.8802.1.1.2.1.3.8.1.1) | not-accessible | Yes | As per MIB |
| lldpLocManAddr (1.0.8802.1.1.2.1.3.8.1.2) | not-accessible | Current | As per MIB |
| lldpLocManAddrLen (1.0.8802.1.1.2.1.3.8.1.3) | read-only | Yes | As per MIB |
| lldpLocManAddrIfSubtype (1.0.8802.1.1.2.1.3.8.1.4) | read-only | Yes | The subtype is IfIndex.  When the interface associated with the management address does not exist, this object will be unknown(1). |
| lldpLocManAddrIfId (1.0.8802.1.1.2.1.3.8.1.5) | read-only | Yes | IfIndex of the vlan interface associated with the management address.  When the interface associated with the management address does not exist, this object will be zero. |
| lldpLocManAddrOID (1.0.8802.1.1.2.1.3.8.1.6) | read-only | Yes | Not supported |

# lldpRemTable

OID of this table is :1.0.8802.1.1.2.1.4.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpRemTimeMark (1.0.8802.1.1.2.1.4.1.1.1) | not-accessible | No | This object identifies the time when the remote system information is created or updated.  Network management can look up the history of remote system information by this object. |
| lldpRemLocalPortNum (1.0.8802.1.1.2.1.4.1.1.2) | not-accessible | No | As per MIB |
| lldpRemIndex (1.0.8802.1.1.2.1.4.1.1.3) | not-accessible | No | As per MIB |
| lldpRemChassisIdSubtype (1.0.8802.1.1.2.1.4.1.1.4) | read-only | No | As per MIB |
| lldpRemChassisId (1.0.8802.1.1.2.1.4.1.1.5) | read-only | No | As per MIB |
| lldpRemPortIdSubtype (1.0.8802.1.1.2.1.4.1.1.6) | read-only | No | As per MIB |
| lldpRemPortId (1.0.8802.1.1.2.1.4.1.1.7) | read-only | No | As per MIB |
| lldpRemPortDesc (1.0.8802.1.1.2.1.4.1.1.8) | read-only | No | As per MIB |
| lldpRemSysName (1.0.8802.1.1.2.1.4.1.1.9) | read-only | No | As per MIB |
| lldpRemSysDesc (1.0.8802.1.1.2.1.4.1.1.10) | read-only | No | As per MIB |
| lldpRemSysCapSupported (1.0.8802.1.1.2.1.4.1.1.11) | read-only | No | As per MIB |
| lldpRemSysCapEnabled (1.0.8802.1.1.2.1.4.1.1.12) | read-only | No | As per MIB |

# lldpRemManAddrTable

OID of this table is :1.0.8802.1.1.2.1.4.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpRemManAddrSubtype (1.0.8802.1.1.2.1.4.2.1.1) | not-accessible | No | As per MIB |
| lldpRemManAddr (1.0.8802.1.1.2.1.4.2.1.2) | not-accessible | No | As per MIB |
| lldpRemManAddrIfSubtype (1.0.8802.1.1.2.1.4.2.1.3) | read-only | No | As per MIB |
| lldpRemManAddrIfId (1.0.8802.1.1.2.1.4.2.1.4) | read-only | No | As per MIB |
| lldpRemManAddrOID (1.0.8802.1.1.2.1.4.2.1.5) | read-only | No | Not supported |

# lldpRemUnknownTLVTable

OID of this table is :1.0.8802.1.1.2.1.4.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpRemUnknownTLVType (1.0.8802.1.1.2.1.4.3.1.1) | not-accessible | No | As per MIB |
| lldpRemUnknownTLVInfo (1.0.8802.1.1.2.1.4.3.1.2) | read-only | No | As per MIB |

# lldpRemOrgDefInfoTable

OID of this table is :1.0.8802.1.1.2.1.4.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lldpRemOrgDefInfoOUI (1.0.8802.1.1.2.1.4.4.1.1) | not-accessible | No | As per MIB |
| lldpRemOrgDefInfoSubtype (1.0.8802.1.1.2.1.4.4.1.2) | not-accessible | No | As per MIB |
| lldpRemOrgDefInfoIndex (1.0.8802.1.1.2.1.4.4.1.3) | not-accessible | No | As per MIB |
| lldpRemOrgDefInfo (1.0.8802.1.1.2.1.4.4.1.4) | read-only | No | As per MIB |

# HH3C-DHCPS-MIB

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDHCPSServiceStatus (1.3.6.1.4.1.25506.8.2.1.12) | read-write | Current | The default value is disable(0). |
| hh3cDHCPSDetectingServerStatus (1.3.6.1.4.1.25506.8.2.1.13) | read-write | Current | As per MIB |
| hh3cDHCPSPingNum (1.3.6.1.4.1.25506.8.2.1.14) | read-write | Current | The default value is 1. |
| hh3cDHCPSPingTimeout (1.3.6.1.4.1.25506.8.2.1.15) | read-write | Current | As per MIB |
| hh3cDHCPSWriteDataStatus (1.3.6.1.4.1.25506.8.2.1.16) | read-write | Current | Not supported. The value is always disabled(0) |
| hh3cDHCPSWriteDataDirection (1.3.6.1.4.1.25506.8.2.1.17) | read-only | No | Not supported |
| hh3cDHCPSWriteDataDelay (1.3.6.1.4.1.25506.8.2.1.18) | read-write | Current | Not supported. The value is always 300 |
| hh3cDHCPSWriteDataRecover (1.3.6.1.4.1.25506.8.2.1.19) | read-write | Current | Not supported.The value is always disabled(0) |
| hh3cDHCPSIPInUseResetIP (1.3.6.1.4.1.25506.8.2.1.20) | read-write | Current | As per MIB |
| hh3cDHCPSConflictIPResetIP (1.3.6.1.4.1.25506.8.2.1.21) | read-write | Current | As per MIB |
| hh3cDHCPSIPResetFlag (1.3.6.1.4.1.25506.8.2.1.22) | read-write | Current | As per MIB |
| hh3cDHCPSGlobalPoolNumber (1.3.6.1.4.1.25506.8.2.1.23) | read-only | Current | As per MIB |
| hh3cDHCPSGlobalPoolAutoBindingNum (1.3.6.1.4.1.25506.8.2.1.24) | read-only | No | As per MIB |
| hh3cDHCPSGlobalPoolManualBindingNum (1.3.6.1.4.1.25506.8.2.1.25) | read-only | Current | As per MIB |
| hh3cDHCPSGlobalPoolExpiredBindingNum (1.3.6.1.4.1.25506.8.2.1.26) | read-only | No | As per MIB |
| hh3cDHCPSInterfacePoolNumber (1.3.6.1.4.1.25506.8.2.1.27) | read-only | Current | Not supported |
| hh3cDHCPSInterfacePoolAutoBindingNum (1.3.6.1.4.1.25506.8.2.1.28) | read-only | No | Not supported |
| hh3cDHCPSInterfacePoolManualBindingNum (1.3.6.1.4.1.25506.8.2.1.29) | read-only | Current | Not supported |
| hh3cDHCPSInterfacePoolExpiredBindingNum (1.3.6.1.4.1.25506.8.2.1.30) | read-only | No | Not supported |
| hh3cDHCPSBadPktNum (1.3.6.1.4.1.25506.8.2.1.31) | read-only | No | As per MIB |
| hh3cDHCPSBootRequestPktNum (1.3.6.1.4.1.25506.8.2.1.32) | read-only | No | As per MIB |
| hh3cDHCPSDiscoverPktNum (1.3.6.1.4.1.25506.8.2.1.33) | read-only | No | As per MIB |
| hh3cDHCPSRequestPktNum (1.3.6.1.4.1.25506.8.2.1.34) | read-only | No | As per MIB |
| hh3cDHCPSDeclinePktNum (1.3.6.1.4.1.25506.8.2.1.35) | read-only | No | As per MIB |
| hh3cDHCPSReleasePktNum (1.3.6.1.4.1.25506.8.2.1.36) | read-only | No | As per MIB |
| hh3cDHCPSInformPktNum (1.3.6.1.4.1.25506.8.2.1.37) | read-only | No | As per MIB |
| hh3cDHCPSBootReplyPktNum (1.3.6.1.4.1.25506.8.2.1.38) | read-only | No | As per MIB |
| hh3cDHCPSOfferPktNum (1.3.6.1.4.1.25506.8.2.1.39) | read-only | No | As per MIB |
| hh3cDHCPSAckPktNum (1.3.6.1.4.1.25506.8.2.1.40) | read-only | No | As per MIB |
| hh3cDHCPSNakPktNum (1.3.6.1.4.1.25506.8.2.1.41) | read-only | No | As per MIB |
| hh3cDHCPSStatisticsReset (1.3.6.1.4.1.25506.8.2.1.42) | read-write | Current | As per MIB |

## hh3cDHCPSGlobalPoolTable

OID of this table is :1.3.6.1.4.1.25506.8.2.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDHCPSGlobalPoolName (1.3.6.1.4.1.25506.8.2.1.1.1.1) | read-only | Current | Range from 1 to 35 |
| hh3cDHCPSGlobalPoolRowStatus (1.3.6.1.4.1.25506.8.2.1.1.1.2) | read-create | Current | As per MIB |

## hh3cDHCPSGlobalPoolConfigTable

OID of this table is :1.3.6.1.4.1.25506.8.2.1.2

The hh3cDHCPSGlobalPoolHostIPAddr and hh3cDHCPSGlobalPoolHostMask can not be set With hh3cDHCPSGlobalPoolHostHAddr and hh3cDHCPSGlobalPoolNetwork simultaneously.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDHCPSGlobalPoolType (1.3.6.1.4.1.25506.8.2.1.2.1.1) | read-write | Current | As per MIB |
| hh3cDHCPSGlobalPoolNetwork (1.3.6.1.4.1.25506.8.2.1.2.1.2) | read-write | Current | The default value is 0.0.0.0 |
| hh3cDHCPSGlobalPoolNetworkMask (1.3.6.1.4.1.25506.8.2.1.2.1.3) | read-write | Current | The default value is 0.0.0.0 |
| hh3cDHCPSGlobalPoolHostIPAddr (1.3.6.1.4.1.25506.8.2.1.2.1.4) | read-write | Current | The default value is 0.0.0.0 |
| hh3cDHCPSGlobalPoolHostMask (1.3.6.1.4.1.25506.8.2.1.2.1.5) | read-write | Current | The default value is 0.0.0.0 |
| hh3cDHCPSGlobalPoolHostHAddr (1.3.6.1.4.1.25506.8.2.1.2.1.6) | read-write | Current | The default value is 0-0-0 |
| hh3cDHCPSGlobalPoolConfigUndoFlag (1.3.6.1.4.1.25506.8.2.1.2.1.7) | read-write | Current | As per MIB |

## hh3cDHCPSGlobalPoolParaTable

OID of this table is :1.3.6.1.4.1.25506.8.2.1.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDHCPSGlobalPoolLeaseDay (1.3.6.1.4.1.25506.8.2.1.3.1.1) | read-write | Current | As per MIB |
| hh3cDHCPSGlobalPoolLeaseHour (1.3.6.1.4.1.25506.8.2.1.3.1.2) | read-write | Current | As per MIB |
| hh3cDHCPSGlobalPoolLeaseMinute (1.3.6.1.4.1.25506.8.2.1.3.1.3) | read-write | Current | As per MIB |
| hh3cDHCPSGlobalPoolLeaseUnlimited (1.3.6.1.4.1.25506.8.2.1.3.1.4) | read-write | Current | The default value is invalid(0). The value cannot set to 0. |
| hh3cDHCPSGlobalPoolDomainName (1.3.6.1.4.1.25506.8.2.1.3.1.5) | read-write | Current | Range from 1 to 50 |
| hh3cDHCPSGlobalPoolClientGatewayIPString (1.3.6.1.4.1.25506.8.2.1.3.1.6) | read-write | Current | The value must be IPv4 address |
| hh3cDHCPSGlobalPoolClientGatewayIPUndo (1.3.6.1.4.1.25506.8.2.1.3.1.7) | read-write | Current | The value is always 0.0.0.0 |
| hh3cDHCPSGlobalPoolClientDNSIPString (1.3.6.1.4.1.25506.8.2.1.3.1.8) | read-write | Current | The value must be IPv4 address |
| hh3cDHCPSGlobalPoolClientDNSIPUndo (1.3.6.1.4.1.25506.8.2.1.3.1.9) | read-write | Current | The value is always 0.0.0.0 |
| hh3cDHCPSGlobalPoolClientNetbiosType (1.3.6.1.4.1.25506.8.2.1.3.1.10) | read-write | Current | The default value is null(0). |
| hh3cDHCPSGlobalPoolClientNbnsIPString (1.3.6.1.4.1.25506.8.2.1.3.1.11) | read-write | Current | The value must be IPv4 address |
| hh3cDHCPSGlobalPoolClientNbnsIPUndo (1.3.6.1.4.1.25506.8.2.1.3.1.12) | read-write | Current | The value is always 0.0.0.0 |
| hh3cDHCPSGlobalPoolParaUndoFlag (1.3.6.1.4.1.25506.8.2.1.3.1.13) | read-write | Current | The default value is undoDomain(1). |
| hh3cDHCPSGlobalPoolIPInUseReset (1.3.6.1.4.1.25506.8.2.1.3.1.14) | read-write | Current | The default value is reset(1). |

## hh3cDHCPSGlobalPoolOptionTable

OID of this table is :1.3.6.1.4.1.25506.8.2.1.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDHCPSGlobalPoolOptionCode (1.3.6.1.4.1.25506.8.2.1.4.1.1) | read-only | Current | As per MIB |
| hh3cDHCPSGlobalPoolOptionType (1.3.6.1.4.1.25506.8.2.1.4.1.2) | read-create | Current | Can not be modified after creation. |
| hh3cDHCPSGlobalPoolOptionAscii (1.3.6.1.4.1.25506.8.2.1.4.1.3) | read-create | Current | Can not be modified after creation. |
| hh3cDHCPSGlobalPoolOptionHexString (1.3.6.1.4.1.25506.8.2.1.4.1.4) | read-create | Current | Can not be modified after creation. |
| hh3cDHCPSGlobalPoolOptionIPString (1.3.6.1.4.1.25506.8.2.1.4.1.5) | read-create | Current | Can not be modified after creation. The value must be IPv4 address. |
| hh3cDHCPSGlobalPoolOptionRowStatus (1.3.6.1.4.1.25506.8.2.1.4.1.6) | read-create | Current | As per MIB |

## hh3cDHCPSGlobalTreeTable

OID of this table is :1.3.6.1.4.1.25506.8.2.1.5

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDHCPSGlobalTreeParentNodeName (1.3.6.1.4.1.25506.8.2.1.5.1.1) | read-only | Current | As per MIB |
| hh3cDHCPSGlobalTreeChildNodeName (1.3.6.1.4.1.25506.8.2.1.5.1.2) | read-only | Current | As per MIB |
| hh3cDHCPSGlobalTreePreSiblingNodeName (1.3.6.1.4.1.25506.8.2.1.5.1.3) | read-only | Current | As per MIB |
| hh3cDHCPSGlobalTreeSiblingNodeName (1.3.6.1.4.1.25506.8.2.1.5.1.4) | read-only | Current | As per MIB |

## hh3cDHCPSForbiddenIPTable

OID of this table is :1.3.6.1.4.1.25506.8.2.1.10

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDHCPSForbiddenIPStart (1.3.6.1.4.1.25506.8.2.1.10.1.1) | read-only | Current | As per MIB |
| hh3cDHCPSForbiddenIPEnd (1.3.6.1.4.1.25506.8.2.1.10.1.2) | read-only | Current | As per MIB |
| hh3cDHCPSForbiddenIPRowStatus (1.3.6.1.4.1.25506.8.2.1.10.1.3) | read-create | Current | As per MIB |

## hh3cDHCPSConflictIPTable

OID of this table is :1.3.6.1.4.1.25506.8.2.1.11

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDHCPSConflictIP (1.3.6.1.4.1.25506.8.2.1.11.1.1) | read-only | No | As per MIB |
| hh3cDHCPSConflictIPType (1.3.6.1.4.1.25506.8.2.1.11.1.2) | read-only | No | As per MIB |
| hh3cDHCPSConflictIPDetectTime (1.3.6.1.4.1.25506.8.2.1.11.1.3) | read-only | No | As per MIB |

# HH3C-LSW-DEV-ADM-MIB

## hh3cLswSystemPara group

OID of this table is :1.3.6.1.4.1.25506.8.35.18.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cLswSysIpAddr (1.3.6.1.4.1.25506.8.35.18.1.1) | read-only | No | As per MIB |
| hh3cLswSysIpMask (1.3.6.1.4.1.25506.8.35.18.1.2) | read-only | No | As per MIB |
| hh3cLswSysCpuRatio (1.3.6.1.4.1.25506.8.35.18.1.3) | read-only | No | Not supported |
| hh3cLswSysVersion (1.3.6.1.4.1.25506.8.35.18.1.4) | read-only | No | As per MIB |
| hh3cLswSysTime (1.3.6.1.4.1.25506.8.35.18.1.5) | read-write | No | As per MIB |
| hh3cLswSysUNMCastDropEnable (1.3.6.1.4.1.25506.8.35.18.1.6) | read-write | Current | Not supported |
| hh3cLswSysManagementVlan (1.3.6.1.4.1.25506.8.35.18.1.7) | read-write | No | Only support read operation |
| hh3cLswSysVlanRange (1.3.6.1.4.1.25506.8.35.18.1.8) | read-write | No | Not supported |
| hh3cLswSysManagementIpAddr (1.3.6.1.4.1.25506.8.35.18.1.9) | read-write | No | Not supported |
| hh3cLswSysManagementIpMask (1.3.6.1.4.1.25506.8.35.18.1.10) | read-write | No | Not supported |
| hh3cLswSysPhyMemory (1.3.6.1.4.1.25506.8.35.18.1.13) | read-only | No | Not supported |
| hh3cLswSysMemory (1.3.6.1.4.1.25506.8.35.18.1.14) | read-only | No | As per MIB |
| hh3cLswSysMemoryUsed (1.3.6.1.4.1.25506.8.35.18.1.15) | read-only | No | As per MIB |
| hh3cLswSysMemoryRatio (1.3.6.1.4.1.25506.8.35.18.1.16) | read-only | No | As per MIB |

## hh3cLswFrameTable

OID of this table is :1.3.6.1.4.1.25506.8.35.18.4.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cLswFrameIndex (1.3.6.1.4.1.25506.8.35.18.4.2.1.1) | read-only | No | As per MIB |
| hh3cLswFrameType (1.3.6.1.4.1.25506.8.35.18.4.2.1.2) | read-only | No | As per MIB |
| hh3cLswFrameDesc (1.3.6.1.4.1.25506.8.35.18.4.2.1.3) | read-write | No | As per MIB |
| hh3cLswSlotNumber (1.3.6.1.4.1.25506.8.35.18.4.2.1.4) | read-only | No | As per MIB |
| hh3cLswFrameAdminStatus (1.3.6.1.4.1.25506.8.35.18.4.2.1.5) | read-only | No | As per MIB |

## hh3cLswSlotTable

OID of this table is :1.3.6.1.4.1.25506.8.35.18.4.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cLswSlotIndex (1.3.6.1.4.1.25506.8.35.18.4.3.1.1) | read-only | No | As per MIB |
| hh3cLswSlotType (1.3.6.1.4.1.25506.8.35.18.4.3.1.2) | read-only | No | As per MIB |
| hh3cLswSlotDesc (1.3.6.1.4.1.25506.8.35.18.4.3.1.3) | read-write | No | As per MIB |
| hh3cLswSlotCpuRatio (1.3.6.1.4.1.25506.8.35.18.4.3.1.4) | read-only | No | Not supported. |
| hh3cLswSlotPcbVersion (1.3.6.1.4.1.25506.8.35.18.4.3.1.5) | read-only | No | As per MIB |
| hh3cLswSlotSoftwareVersion (1.3.6.1.4.1.25506.8.35.18.4.3.1.6) | read-only | No | As per MIB |
| hh3cLswSubslotNumber (1.3.6.1.4.1.25506.8.35.18.4.3.1.7) | read-only | No | As per MIB |
| hh3cLswSlotAdminStatus (1.3.6.1.4.1.25506.8.35.18.4.3.1.8) | read-only | No | As per MIB |
| hh3cLswSlotOperStatus (1.3.6.1.4.1.25506.8.35.18.4.3.1.9) | read-write | No | only support read operation |

## hh3cLswSubslotTable

OID of this table is :1.3.6.1.4.1.25506.8.35.18.4.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cLswSubslotIndex (1.3.6.1.4.1.25506.8.35.18.4.4.1.1) | read-only | No | As per MIB |
| hh3cLswSubslotType (1.3.6.1.4.1.25506.8.35.18.4.4.1.2) | read-only | No | As per MIB |
| hh3cLswSubslotPortNum (1.3.6.1.4.1.25506.8.35.18.4.4.1.3) | read-only | No | As per MIB |
| hh3cLswSubslotAdminStatus (1.3.6.1.4.1.25506.8.35.18.4.4.1.4) | read-only | No | As per MIB |
| hh3cLswSubslotFirstIfIndex (1.3.6.1.4.1.25506.8.35.18.4.4.1.5) | read-only | No | As per MIB |

## hh3cLswPortTable

OID of this table is :1.3.6.1.4.1.25506.8.35.18.4.5

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cLswPortIndex (1.3.6.1.4.1.25506.8.35.18.4.5.1.1) | read-only | No | As per MIB |
| hh3cLswPortType (1.3.6.1.4.1.25506.8.35.18.4.5.1.2) | read-only | No | As per MIB |
| hh3cLswPortIfindex (1.3.6.1.4.1.25506.8.35.18.4.5.1.3) | read-only | No | As per MIB |
| hh3cLswPortIsPlugged (1.3.6.1.4.1.25506.8.35.18.4.5.1.4) | read-only | No | As per MIB |

# HH3C-LAG-MIB

## Scalar objects of hh3cLAGMibObjects group

OID of this table is :1.3.6.1.4.1.25506.8.25.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cAggResourceAllocationValue (1.3.6.1.4.1.25506.8.25.1.3) | read-only | No | As per MIB |

## hh3cAggLinkTable

OID of this table is :1.3.6.1.4.1.25506.8.25.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cAggLinkNumber (1.3.6.1.4.1.25506.8.25.1.1.1.1) | not-accessible | No | As per MIB |
| hh3cAggLinkName (1.3.6.1.4.1.25506.8.25.1.1.1.2) | read-create | Current | Not supported. |
| hh3cAggLinkMode (1.3.6.1.4.1.25506.8.25.1.1.1.3) | read-create | Current | Range from 2 to 3.  2(static): Membership specified by user, LACP is not enabled.  3(dynamic): Membership specified by user, LACP is enabled. |
| hh3cAggLinkPortList (1.3.6.1.4.1.25506.8.25.1.1.1.4) | read-create | Current | Port member list of the AL |
| hh3cAggLinkState (1.3.6.1.4.1.25506.8.25.1.1.1.5) | read-create | Current | 1 is returned in read operation |
| hh3cAggPortListSelectedPorts (1.3.6.1.4.1.25506.8.25.1.1.1.6) | read-only | No | As per MIB |
| hh3cAggPortListSamePartnerPorts (1.3.6.1.4.1.25506.8.25.1.1.1.7) | read-only | No | As per MIB |

## hh3cAggPortTable

OID of this table is :1.3.6.1.4.1.25506.8.25.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cAggPortIndex (1.3.6.1.4.1.25506.8.25.1.2.1.1) | not-accessible | No | As per MIB |
| hh3cAggPortNotAttachedReason (1.3.6.1.4.1.25506.8.25.1.2.1.2) | read-write | Current | Only support read operation |
| hh3cAggPortLacpState (1.3.6.1.4.1.25506.8.25.1.2.1.3) | read-write | Current | Only support read operation |
| hh3cAggPortNotAttachedString (1.3.6.1.4.1.25506.8.25.1.2.1.4) | read-write | Current | Only support read operation |

# HH3C-LswDEVM-MIB

## Scalar objects of hh3cLswdevMMibObject group

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cLinkUpDownTrapEnable (1.3.6.1.4.1.25506.8.35.9.1.9) | read-write | No | As per MIB |
| hh3cdot1qTpFdbLearnStatus (1.3.6.1.4.1.25506.8.35.9.1.10) | read-write | No | As per MIB |
| hh3cCfmWriteFlash (1.3.6.1.4.1.25506.8.35.9.1.11) | write-only | No | Not supported |
| hh3cCfmEraseFlash (1.3.6.1.4.1.25506.8.35.9.1.12) | write-only | No | Not supported |

## hh3cdevMFanStatusTable

OID of this table is :1.3.6.1.4.1.25506.8.35.9.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDevMFanNum (1.3.6.1.4.1.25506.8.35.9.1.1.1.1) | read-only | No | This object is used to identify uniquely fans in device. |
| hh3cDevMFanStatus (1.3.6.1.4.1.25506.8.35.9.1.1.1.2) | read-only | No | As per MIB |

## hh3cdevMPowerStatusTable

OID of this table is :1.3.6.1.4.1.25506.8.35.9.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDevMPowerNum (1.3.6.1.4.1.25506.8.35.9.1.2.1.1) | read-only | No | This object is used to identify uniquely powers in device or fabric. |
| hh3cDevMPowerStatus (1.3.6.1.4.1.25506.8.35.9.1.2.1.2) | read-only | No | As per MIB |

## hh3cdevMSlotEnvironmentTable

OID of this table is :1.3.6.1.4.1.25506.8.35.9.1.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cdevMSlotEnvironmentType (1.3.6.1.4.1.25506.8.35.9.1.3.1.1) | not-accessible | No | As per MIB |
| hh3cDevMSlotEnvironmentStatus (1.3.6.1.4.1.25506.8.35.9.1.3.1.2) | read-only | No | As per MIB |
| hh3cDevMSlotEnvironmentValue (1.3.6.1.4.1.25506.8.35.9.1.3.1.3) | read-only | No | As per MIB |
| hh3cDevMSlotEnvironmentUpperLimit (1.3.6.1.4.1.25506.8.35.9.1.3.1.4) | read-write | No | As per MIB |
| hh3cDevMSlotEnvironmentLowerLimit (1.3.6.1.4.1.25506.8.35.9.1.3.1.5) | read-write | No | As per MIB |

# HH3C-LswINF-MIB

## hh3cifXXTable

OID of this table is :1.3.6.1.4.1.25506.8.35.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cifUnBoundPort (1.3.6.1.4.1.25506.8.35.1.1.1.1) | read-only | No | Not supported |
| hh3cifISPhyPort (1.3.6.1.4.1.25506.8.35.1.1.1.2) | read-only | No | Not supported |
| hh3cifAggregatePort (1.3.6.1.4.1.25506.8.35.1.1.1.3) | read-only | No | Not supported |
| hh3cifMirrorPort (1.3.6.1.4.1.25506.8.35.1.1.1.4) | read-write | Current | Not supported,  The value is always false. |
| hh3cifVLANType (1.3.6.1.4.1.25506.8.35.1.1.1.5) | read-write | Current | The value fabric(4) is not supported |
| hh3cifMcastControl (1.3.6.1.4.1.25506.8.35.1.1.1.6) | read-write | Current | As per MIB |
| hh3cifFlowControl (1.3.6.1.4.1.25506.8.35.1.1.1.7) | read-write | Current | Not supported,  The value is always false. |
| hh3cifSrcMacControl (1.3.6.1.4.1.25506.8.35.1.1.1.8) | read-only | No | Not supported |
| hh3cifClearStat (1.3.6.1.4.1.25506.8.35.1.1.1.9) | read-write | No | Only support write operation |
| hh3cifXXBasePortIndex (1.3.6.1.4.1.25506.8.35.1.1.1.10) | read-only | No | As per MIB |
| hh3cifXXDevPortIndex (1.3.6.1.4.1.25506.8.35.1.1.1.11) | read-only | No | As per MIB |
| hh3cifComboActivePort (1.3.6.1.4.1.25506.8.35.1.1.1.22) | read-write | No | This object is obsoleted. Always return useless value. |

## hh3cifHybridPortTable

OID of this table is :1.3.6.1.4.1.25506.8.35.1.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cifHybridPortIndex (1.3.6.1.4.1.25506.8.35.1.3.1.1) | read-only | No | As per MIB |
| hh3cifHybridTaggedVlanListLow (1.3.6.1.4.1.25506.8.35.1.3.1.2) | read-write | Current | As per MIB |
| hh3cifHybridTaggedVlanListHigh (1.3.6.1.4.1.25506.8.35.1.3.1.3) | read-write | Current | As per MIB |
| hh3cifHybridUnTaggedVlanListLow (1.3.6.1.4.1.25506.8.35.1.3.1.4) | read-write | Current | As per MIB |
| hh3cifHybridUnTaggedVlanListHigh (1.3.6.1.4.1.25506.8.35.1.3.1.5) | read-write | Current | As per MIB |

The values of below objects must be appointted at the same time when SET operation.:

hh3cifHybridTaggedVlanListLow,

hh3cifHybridTaggedVlanListHigh,

hh3cifHybridUnTaggedVlanListLow,

hh3cifHybridUnTaggedVlanListHigh

## hh3cifComboPortTable

OID of this table is :1.3.6.1.4.1.25506.8.35.1.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cifComboPortIndex (1.3.6.1.4.1.25506.8.35.1.4.1.1) | read-only | Yes | As per MIB |
| hh3cifComboPortCurActive (1.3.6.1.4.1.25506.8.35.1.4.1.2) | read-write | Current | Only the value fiber and copper can be written. |

## Scalar objects of hh3cLswL2InfMibObject

OID of this table is :1.3.6.1.4.1.25506.8.35.5.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cSlotPortMax (1.3.6.1.4.1.25506.8.35.5.1.1) | read-only | No | As per MIB |
| hh3cSwitchPortMax (1.3.6.1.4.1.25506.8.35.5.1.2) | read-only | No | As per MIB |
| hh3cMaxMacLearnRange (1.3.6.1.4.1.25506.8.35.5.1.12) | read-only | Current | The value is 4K. |

## hh3cifVLANTrunkStatusTable

OID of this table is :1.3.6.1.4.1.25506.8.35.5.1.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cifVLANTrunkIndex (1.3.6.1.4.1.25506.8.35.5.1.3.1.1) | read-only | No | As per MIB |
| hh3cifVLANTrunkGvrpRegistration (1.3.6.1.4.1.25506.8.35.5.1.3.1.2) | read-write | Current | As per MIB |
| hh3cifVLANTrunkPassListLow (1.3.6.1.4.1.25506.8.35.5.1.3.1.4) | read-only | No | As per MIB |
| hh3cifVLANTrunkPassListHigh (1.3.6.1.4.1.25506.8.35.5.1.3.1.5) | read-only | No | As per MIB |
| hh3cifVLANTrunkAllowListLow (1.3.6.1.4.1.25506.8.35.5.1.3.1.6) | read-write | Current | The value of this object must be appointed with hh3cifVLANTrunkAllowListHigh at the same time when SET operation. |
| hh3cifVLANTrunkAllowListHigh (1.3.6.1.4.1.25506.8.35.5.1.3.1.7) | read-write | Current | The value of this object must be appointed with hh3cifVLANTrunkAllowListLow at the same time when SET operation. |

## hh3cethernetTable

OID of this table is :1.3.6.1.4.1.25506.8.35.5.1.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cifEthernetDuplex (1.3.6.1.4.1.25506.8.35.5.1.4.1.3) | read-write | Current | Only full and auto can be writed to GigabitEthernet interface with fiber-optic connector.  Write is not supported by Ten-GigabitEthernet interface. |
| hh3cifEthernetMTU (1.3.6.1.4.1.25506.8.35.5.1.4.1.4) | read-write | Current | Only interface that works at bridge mode and support setting jumbo frame from command line support write operation. The supported value range As per MIB |
| hh3cifEthernetSpeed (1.3.6.1.4.1.25506.8.35.5.1.4.1.5) | read-write | Current | s1000 and s10000 can not be write to Ethernet interface.  s10000 can not be write to GigabitEthenet interface with twisted-pair connector.  Only s1000 and auto can be writed to GigabitEthernet interface with fiber-optic connector.  Write is not supported by Ten-GigabitEthernet interface. |
| hh3cifEthernetMdi (1.3.6.1.4.1.25506.8.35.5.1.4.1.7) | read-write | Current | Wirte is not supported by Ten-GigabitEthernet interface and GigabitEthernet interface with fiber-optic connector. |
| hh3cMaxMacLearn (1.3.6.1.4.1.25506.8.35.5.1.4.1.8) | read-write | Current | The maximum number of MAC addresses that the port can learn must be no more than the number of MAC addresses that the port supports to learn. A bridge-aggregation port does not support the set value operation. |
| hh3cifMacAddressLearn (1.3.6.1.4.1.25506.8.35.5.1.4.1.9) | read-only | No | As per MIB |
| hh3cifEthernetTest (1.3.6.1.4.1.25506.8.35.5.1.4.1.10) | read-write | No | Not supported |
| hh3cifMacAddrLearnMode (1.3.6.1.4.1.25506.8.35.5.1.4.1.11) | read-only | No | Not supported |
| hh3cifEthernetFlowInterval (1.3.6.1.4.1.25506.8.35.5.1.4.1.12) | read-write | Current | As per MIB |
| hh3cifEthernetIsolate (1.3.6.1.4.1.25506.8.35.5.1.4.1.13) | read-write | No | Not supported |
| hh3cifVlanVPNStatus (1.3.6.1.4.1.25506.8.35.5.1.4.1.14) | read-write | No | Not supported |
| hh3cifIsolateGroupID (1.3.6.1.4.1.25506.8.35.5.1.4.1.17) | read-write | Current | 0 means this interface does not belong to any isolate group |
| hh3cifisUplinkPort (1.3.6.1.4.1.25506.8.35.5.1.4.1.18) | read-only | Current | The default value is no(2) |
| hh3cifEthernetAutoSpeedMask (1.3.6.1.4.1.25506.8.35.5.1.4.1.19) | read-only | Current | As per MIB |
| hh3cifEthernetAutoSpeed (1.3.6.1.4.1.25506.8.35.5.1.4.1.20) | read-write | Current | As per MIB |

## hh3cPortIsolateGroupTable

OID of this table is :1.3.6.1.4.1.25506.8.35.5.1.11

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cPortIsolateGroupIndex (1.3.6.1.4.1.25506.8.35.5.1.11.1.1) | not-accessible | Current | As per MIB |
| hh3cPortIsolateUplinkIfIndex (1.3.6.1.4.1.25506.8.35.5.1.11.1.2) | read-create | Current | In read operation, if the value of this object is 65535, it indicates that no uplink interface is set.  In write operation, if the value of this object is not less than 65535, it indicates the cancellation of the uplink interface. |
| hh3cPortIsolateGroupRowStatus (1.3.6.1.4.1.25506.8.35.5.1.11.1.3) | read-create | Current | Support createAndGo, destroy and active. When the value is active, the port isolate group is available. Otherwise the port isolate group is unavailable.  Node can be set only if the device supports multiple PortIsolateGroups. |

# HH3C-LswMAM-MIB

## hh3cdot1qTpFdbSetTable

OID of this table is :1.3.6.1.4.1.25506.8.35.3.2

Note: The set operation of this table only supports Multiple Variable Bindings set operation. Variables that must be bound in a set operation include hh3cdot1qTpFdbSetPort, hh3cdot1qTpFdbSetStatus and hh3cdot1qTpFdbSetOperate.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cdot1qTpFdbSetAddress (1.3.6.1.4.1.25506.8.35.3.2.1.1) | not-accessible | No | As per MIB |
| hh3cdot1qTpFdbSetPort (1.3.6.1.4.1.25506.8.35.3.2.1.2) | read-write | No | If the state of the MAC address is “blackhole”, the value of this object is 0. |
| hh3cdot1qTpFdbSetStatus (1.3.6.1.4.1.25506.8.35.3.2.1.3) | read-write | No | As per MIB |
| hh3cdot1qTpFdbSetOperate (1.3.6.1.4.1.25506.8.35.3.2.1.4) | read-write | No | Only support set operation |

# HH3C-LswMix-MIB

## Scalar objects of hh3cLswMix group

OID of this table is :1.3.6.1.4.1.25506.8.35.17

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cLswLastSwitchDate (1.3.6.1.4.1.25506.8.35.17.1) | read-only | No | As per MIB |
| hh3cLswLastSwitchTime (1.3.6.1.4.1.25506.8.35.17.2) | read-only | No | As per MIB |
| hh3cLswMpuSwitchsNum (1.3.6.1.4.1.25506.8.35.17.3) | read-only | No | As per MIB |
| hh3cLswMpuSwitch (1.3.6.1.4.1.25506.8.35.17.4) | read-write | No | As per MIB |

## hh3cLswXSlotTable

OID of this table is :1.3.6.1.4.1.25506.8.35.17.5

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cLswMainCardBoardStatus (1.3.6.1.4.1.25506.8.35.17.5.1.1) | read-only | No | As per MIB |

# HH3C-RMON-EXT-MIB

## hh3cprialarmTable

OID of this table is :1.3.6.1.4.1.25506.8.4.4.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cprialarmIndex (1.3.6.1.4.1.25506.8.4.4.1.1.1) | read-only | Current | As per MIB |
| hh3cprialarmInterval (1.3.6.1.4.1.25506.8.4.4.1.1.2) | read-write | Current | This object can be created |
| hh3cprialarmVariable (1.3.6.1.4.1.25506.8.4.4.1.1.3) | read-write | Current | This object can be created |
| hh3cprialarmSympol (1.3.6.1.4.1.25506.8.4.4.1.1.4) | read-write | Current | This object can be created  When adding a new row, this node may not be set any value and it can be provided a default value in code implementation.  The length of value is range from 1 to 127 |
| hh3cprialarmSampleType (1.3.6.1.4.1.25506.8.4.4.1.1.5) | read-write | Current | This object can be created |
| hh3cprialarmValue (1.3.6.1.4.1.25506.8.4.4.1.1.6) | read-only | No | When the value of this object is out of the range of hh3cprialarmValue, the value of hh3cprialarmValue will be a negative. |
| hh3cprialarmStartupAlarm (1.3.6.1.4.1.25506.8.4.4.1.1.7) | read-write | No | This object can be created |
| hh3cprialarmRisingThreshold (1.3.6.1.4.1.25506.8.4.4.1.1.8) | read-write | Current | This object can be created |
| hh3cprialarmFallingThreshold (1.3.6.1.4.1.25506.8.4.4.1.1.9) | read-write | Current | This object can be created |
| hh3cprialarmRisingEventIndex (1.3.6.1.4.1.25506.8.4.4.1.1.10) | read-write | Current | This object can be created |
| hh3cprialarmFallingEventIndex (1.3.6.1.4.1.25506.8.4.4.1.1.11) | read-write | Current | This object can be created |
| hh3cprialarmStatCycle (1.3.6.1.4.1.25506.8.4.4.1.1.12) | read-write | Current | This object can be created |
| hh3cprialarmStatType (1.3.6.1.4.1.25506.8.4.4.1.1.13) | read-write | Current | This object can be created |
| hh3cprialarmOwner (1.3.6.1.4.1.25506.8.4.4.1.1.14) | read-write | Current | This object can be created |
| hh3cprialarmStatus (1.3.6.1.4.1.25506.8.4.4.1.1.15) | read-write | Current | This object can be created |

# HH3C-LswMSTP-MIB

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cdot1sStpStatus (1.3.6.1.4.1.25506.8.35.14.1) | read-write | Current | As per MIB |
| hh3cdot1sStpForceVersion (1.3.6.1.4.1.25506.8.35.14.2) | read-write | Current | As per MIB |
| hh3cdot1sStpDiameter (1.3.6.1.4.1.25506.8.35.14.3) | read-write | Current | The object is correlated with dot1dStpHelloTime, dot1dStpMaxAge and dot1dStpForwardDelay, which is defined in IEEE 802.1d standard. A modification to this object will cause the other three to change. Changing any of dot1dStpHelloTime, dot1dStpMaxAge and dot1dStpForwardDelay alone will result in incorrect correlation between this object and these three ones. If any of these three objects changed, the reading value of this object is insignificant. |
| hh3cdot1sMstBridgeMaxHops (1.3.6.1.4.1.25506.8.35.14.4) | read-write | Current | As per MIB |
| hh3cdot1sMstMasterBridgeID (1.3.6.1.4.1.25506.8.35.14.5) | read-only | No | As per MIB |
| hh3cdot1sMstMasterPathCost (1.3.6.1.4.1.25506.8.35.14.6) | read-only | No | As per MIB |
| hh3cdot1sMstBpduGuard (1.3.6.1.4.1.25506.8.35.14.7) | read-write | Current | As per MIB |
| hh3cdot1sMstAdminFormatSelector (1.3.6.1.4.1.25506.8.35.14.8) | read-write | No | Only can be set 0 |
| hh3cdot1sMstAdminRegionName (1.3.6.1.4.1.25506.8.35.14.9) | read-write | No | As per MIB |
| hh3cdot1sMstAdminRevisionLevel (1.3.6.1.4.1.25506.8.35.14.10) | read-write | No | As per MIB |
| hh3cdot1sMstOperFormatSelector (1.3.6.1.4.1.25506.8.35.14.11) | read-only | No | As per MIB |
| hh3cdot1sMstOperRegionName (1.3.6.1.4.1.25506.8.35.14.12) | read-only | Current | As per MIB |
| hh3cdot1sMstOperRevisionLevel (1.3.6.1.4.1.25506.8.35.14.13) | read-only | Current | As per MIB |
| hh3cdot1sMstOperConfigDigest (1.3.6.1.4.1.25506.8.35.14.14) | read-only | No | As per MIB |
| hh3cdot1sMstRegionConfActive (1.3.6.1.4.1.25506.8.35.14.15) | read-write | No | Value disable is only effective for reading. |
| hh3cdot1sMstDefaultVlanAllo (1.3.6.1.4.1.25506.8.35.14.16) | read-write | No | As per MIB |
| hh3cdot1sMstDefaultRegionName (1.3.6.1.4.1.25506.8.35.14.17) | read-write | No | As per MIB |
| hh3cdot1sStpPathCostStandard (1.3.6.1.4.1.25506.8.35.14.21) | read-write | No | Path cost standard of the bridge. Value dot1d-1998 is IEEE 802.1d standard in 1998, value dot1t is IEEE 802.1t standard, and value legacy is a private legacy standard. |

## hh3cdot1sVIDAllocationTable

OID of this table is :1.3.6.1.4.1.25506.8.35.14.18

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cdot1sMstVID (1.3.6.1.4.1.25506.8.35.14.18.1.1) | read-only | Current | As per MIB |
| hh3cdot1sAdminMstID (1.3.6.1.4.1.25506.8.35.14.18.1.2) | read-write | No | As per MIB |
| hh3cdot1sOperMstID (1.3.6.1.4.1.25506.8.35.14.18.1.3) | read-only | Current | As per MIB |

## hh3cdot1sInstanceTable

OID of this table is :1.3.6.1.4.1.25506.8.35.14.19

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cdot1sInstanceID (1.3.6.1.4.1.25506.8.35.14.19.1.1) | read-only | Current | As per MIB |
| hh3cdot1sMstiBridgeID (1.3.6.1.4.1.25506.8.35.14.19.1.2) | read-only | No | As per MIB |
| hh3cdot1sMstiBridgePriority (1.3.6.1.4.1.25506.8.35.14.19.1.3) | read-write | Current | As per MIB |
| hh3cdot1sMstiDesignedRoot (1.3.6.1.4.1.25506.8.35.14.19.1.4) | read-only | No | As per MIB |
| hh3cdot1sMstiRootPathCost (1.3.6.1.4.1.25506.8.35.14.19.1.5) | read-only | No | As per MIB |
| hh3cdot1sMstiRootPort (1.3.6.1.4.1.25506.8.35.14.19.1.6) | read-only | No | As per MIB |
| hh3cdot1sMstiRootType (1.3.6.1.4.1.25506.8.35.14.19.1.7) | read-write | Current | As per MIB |
| hh3cdot1sMstiRemainingHops (1.3.6.1.4.1.25506.8.35.14.19.1.8) | read-only | No | As per MIB |
| hh3cdot1sMstiAdminMappedVlanListLow (1.3.6.1.4.1.25506.8.35.14.19.1.9) | read-only | No | As per MIB |
| hh3cdot1sMstiAdminMappedVlanListHigh (1.3.6.1.4.1.25506.8.35.14.19.1.10) | read-only | No | As per MIB |
| hh3cdot1sMstiOperMappedVlanListLow (1.3.6.1.4.1.25506.8.35.14.19.1.11) | read-only | Current | As per MIB |
| hh3cdot1sMstiOperMappedVlanListHigh (1.3.6.1.4.1.25506.8.35.14.19.1.12) | read-only | Current | As per MIB |

## hh3cdot1sPortTable

OID of this table is :1.3.6.1.4.1.25506.8.35.14.20

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cdot1sMstiPortIndex (1.3.6.1.4.1.25506.8.35.14.20.1.1) | read-only | No | As per MIB |
| hh3cdot1sMstiState (1.3.6.1.4.1.25506.8.35.14.20.1.2) | read-only | No | The value Disabled is not used by the node |
| hh3cdot1sMstiPortPriority (1.3.6.1.4.1.25506.8.35.14.20.1.3) | read-write | Current | This object can not be set on the ONU port. |
| hh3cdot1sMstiPathCost (1.3.6.1.4.1.25506.8.35.14.20.1.4) | read-write | Current | This object can not be set on the ONU port when the hh3cdot1sInstanceID is more than 0. |
| hh3cdot1sMstiDesignatedRoot (1.3.6.1.4.1.25506.8.35.14.20.1.5) | read-only | No | As per MIB |
| hh3cdot1sMstiDesignatedCost (1.3.6.1.4.1.25506.8.35.14.20.1.6) | read-only | No | As per MIB |
| hh3cdot1sMstiDesignatedBridge (1.3.6.1.4.1.25506.8.35.14.20.1.7) | read-only | No | As per MIB |
| hh3cdot1sMstiDesignatedPort (1.3.6.1.4.1.25506.8.35.14.20.1.8) | read-only | No | As per MIB |
| hh3cdot1sMstiMasterBridgeID (1.3.6.1.4.1.25506.8.35.14.20.1.9) | read-only | No | As per MIB |
| hh3cdot1sMstiMasterPortCost (1.3.6.1.4.1.25506.8.35.14.20.1.10) | read-only | No | As per MIB |
| hh3cdot1sMstiStpPortEdgeport (1.3.6.1.4.1.25506.8.35.14.20.1.11) | read-write | Current | As per MIB |
| hh3cdot1sMstiStpPortPointToPoint (1.3.6.1.4.1.25506.8.35.14.20.1.12) | read-write | Current | As per MIB |
| hh3cdot1sMstiStpMcheck (1.3.6.1.4.1.25506.8.35.14.20.1.13) | read-write | No | As per MIB |
| hh3cdot1sMstiStpTransLimit (1.3.6.1.4.1.25506.8.35.14.20.1.14) | read-write | Current | Default value is 10 |
| hh3cdot1sMstiStpRXStpBPDU (1.3.6.1.4.1.25506.8.35.14.20.1.15) | read-only | No | As per MIB |
| hh3cdot1sMstiStpTXStpBPDU (1.3.6.1.4.1.25506.8.35.14.20.1.16) | read-only | No | As per MIB |
| hh3cdot1sMstiStpRXTCNBPDU (1.3.6.1.4.1.25506.8.35.14.20.1.17) | read-only | No | As per MIB |
| hh3cdot1sMstiStpTXTCNBPDU (1.3.6.1.4.1.25506.8.35.14.20.1.18) | read-only | No | As per MIB |
| hh3cdot1sMstiStpRXRSTPBPDU (1.3.6.1.4.1.25506.8.35.14.20.1.19) | read-only | No | As per MIB |
| hh3cdot1sMstiStpTXRSTPBPDU (1.3.6.1.4.1.25506.8.35.14.20.1.20) | read-only | No | As per MIB |
| hh3cdot1sMstiStpRXMSTPBPDU (1.3.6.1.4.1.25506.8.35.14.20.1.21) | read-only | No | As per MIB |
| hh3cdot1sMstiStpTXMSTPBPDU (1.3.6.1.4.1.25506.8.35.14.20.1.22) | read-only | No | As per MIB |
| hh3cdot1sMstiStpClearStatistics (1.3.6.1.4.1.25506.8.35.14.20.1.23) | read-write | No | As per MIB |
| hh3cdot1sMstiStpDefaultPortCost (1.3.6.1.4.1.25506.8.35.14.20.1.24) | read-write | No | As per MIB |
| hh3cdot1sMstiStpStatus (1.3.6.1.4.1.25506.8.35.14.20.1.25) | read-write | Current | As per MIB |
| hh3cdot1sMstiPortRootGuard (1.3.6.1.4.1.25506.8.35.14.20.1.26) | read-write | Current | As per MIB |
| hh3cdot1sMstiPortLoopGuard (1.3.6.1.4.1.25506.8.35.14.20.1.27) | read-write | Current | As per MIB |
| hh3cdot1sMstiStpPortSendingBPDUType (1.3.6.1.4.1.25506.8.35.14.20.1.28) | read-only | Current | As per MIB |
| hh3cdot1sMstiStpOperPortPointToPoint (1.3.6.1.4.1.25506.8.35.14.20.1.29) | read-only | Current | As per MIB |
| hh3cdot1sMstiStpPortAdminBPDUFmt (1.3.6.1.4.1.25506.8.35.14.20.1.30) | read-write | No | The value of the node is an administrative value. Value legacy means that the MST BPDU format is forced to legacy. Value dot1s means that the MST BPDU format is forced to IEEE 802.1s. Value auto means that the format of MST BPDU sending on the port is determined by the MST BPDU that the port has received. Effective in CIST. |
| hh3cdot1sMstiStpPortOperBPDUFmt (1.3.6.1.4.1.25506.8.35.14.20.1.31) | read-only | No | The format of MST BPDU which the port is sending. Value legacy means that the format of MST BPDU sending on the port is legacy. Value dot1s means that the format of MST BPDU sending on the port is IEEE 802.1s. Effective in CIST. |

# HH3C-VOICE-VLAN-MIB

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cVoiceVlanEnabledId (1.3.6.1.4.1.25506.2.9.2) | read-write | Current | ot supported |
| hh3cVoiceVlanPortEnableList (1.3.6.1.4.1.25506.2.9.3) | read-write | Current | ot supported |
| hh3cVoiceVlanAgingTime (1.3.6.1.4.1.25506.2.9.4) | read-write | Current | As per MIB |
| hh3cVoiceVlanConfigState (1.3.6.1.4.1.25506.2.9.5) | read-write | Current | Not supported |
| hh3cVoiceVlanSecurityState (1.3.6.1.4.1.25506.2.9.6) | read-write | Current | As per MIB |

## hh3cvoiceVlanOuiTable

OID of this table is :1.3.6.1.4.1.25506.2.9.1

1) hh3cVoiceVlanOuiAddress is the index of this table.

2) When using RowStatus to adding a row, hh3cVoiceVlanOuiMask must be appointed, hh3cVoiceVlanOuiDescription can be null.

3) All the objects in this table can not be set separately. The value must be appointed when creating the row. After a row created, all the instance of this row can not be changed.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cVoiceVlanOuiAddress (1.3.6.1.4.1.25506.2.9.1.1.1) | read-only | Current | As per MIB |
| hh3cVoiceVlanOuiMask (1.3.6.1.4.1.25506.2.9.1.1.2) | read-write | Current | As per MIB |
| hh3cVoiceVlanOuiDescription (1.3.6.1.4.1.25506.2.9.1.1.3) | read-write | Current | The first letter can not be blank for set operation |
| hh3cVoiceVlanOuiRowStatus (1.3.6.1.4.1.25506.2.9.1.1.4) | read-create | No | As per MIB |

## hh3cvoiceVlanPortTable

OID of this table is :1.3.6.1.4.1.25506.2.9.7

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cVoiceVlanPortifIndex (1.3.6.1.4.1.25506.2.9.7.1.1) | not-accessible | Current | As per MIB |
| hh3cVoiceVlanPortMode (1.3.6.1.4.1.25506.2.9.7.1.2) | read-write | Current | As per MIB |

# HH3C-LswVLAN-MIB

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cVLANMibGarpLeaveAllTime (1.3.6.1.4.1.25506.8.35.2.2.14) | read-write | Current | As per MIB |

## hh3cvLANMibSwitchCountTable

OID of this table is :1.3.6.1.4.1.25506.8.35.2.2.15

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cVLANMibSwitchGMRPRXPkt (1.3.6.1.4.1.25506.8.35.2.2.15.1.1) | read-only | No | As per MIB |
| hh3cVLANMibSwitchGVRPRXPkt (1.3.6.1.4.1.25506.8.35.2.2.15.1.2) | read-only | No | As per MIB |
| hh3cVLANMibSwitchGMRPTXPkt (1.3.6.1.4.1.25506.8.35.2.2.15.1.3) | read-only | No | As per MIB |
| hh3cVLANMibSwitchGVRPTXPkt (1.3.6.1.4.1.25506.8.35.2.2.15.1.4) | read-only | No | As per MIB |
| hh3cVLANMibSwitchDiscardedPkt (1.3.6.1.4.1.25506.8.35.2.2.15.1.5) | read-only | No | As per MIB |
| hh3cVLANMibSwitchGarpStatClear (1.3.6.1.4.1.25506.8.35.2.2.15.1.6) | write-only | No | As per MIB |

## hh3cvLANMibHoldTimeTable

OID of this table is :1.3.6.1.4.1.25506.8.35.2.2.16

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cVLANMibHoldTime (1.3.6.1.4.1.25506.8.35.2.2.16.1.1) | read-write | Current | 1) The unit of timer is centiseconds ;  HoldTime ≤ (JoinTime/2) and the value of HoldTime must be multiple of 5 centiseconds;  2) JoinTime < (LeaveTime/2);  LeaveTime < (LeaveallTime). |

## hh3cdot1qVlanMIBTable

OID of this table is :1.3.6.1.4.1.25506.8.35.2.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cdot1qVlanIndex (1.3.6.1.4.1.25506.8.35.2.1.1.1.1) | read-only | No | As per MIB |
| hh3cdot1qVlanName (1.3.6.1.4.1.25506.8.35.2.1.1.1.2) | read-write | Current | Spaces at the beginning or the end of the hh3cdot1qVlanName will be removed.  A string composed with spaces is not supported either.  A null string inputted as hh3cdot1qVlanName will be replaced with the default name of the vlan.  Default value for each vlan is “vlan xxxx”, and xxxx is serial number of the vlan. |
| hh3cdot1qVlanPorts (1.3.6.1.4.1.25506.8.35.2.1.1.1.3) | read-write | Current | As per MIB |
| hh3cdot1qVlanType (1.3.6.1.4.1.25506.8.35.2.1.1.1.4) | read-write | Current | As per MIB |
| hh3cdot1qVlanMacFilter (1.3.6.1.4.1.25506.8.35.2.1.1.1.5) | read-only | No | As per MIB |
| hh3cdot1qVlanMcastUnknownProtos (1.3.6.1.4.1.25506.8.35.2.1.1.1.6) | read-only | No | As per MIB |
| hh3cExistInterface (1.3.6.1.4.1.25506.8.35.2.1.1.1.7) | read-only | No | As per MIB |
| hh3cVlanInterfaceIndex (1.3.6.1.4.1.25506.8.35.2.1.1.1.8) | read-only | No | As per MIB |
| hh3cdot1qVlanMacLearn (1.3.6.1.4.1.25506.8.35.2.1.1.1.9) | read-only | No | Not supported.  Its value is always 2(flase), which means “not supported” |
| hh3cdot1qVlanStatus (1.3.6.1.4.1.25506.8.35.2.1.1.1.10) | read-only | No | As per MIB |
| hh3cdot1qVlanCreationTime (1.3.6.1.4.1.25506.8.35.2.1.1.1.11) | read-only | No | As per MIB |
| hh3cdot1qVlanPriority (1.3.6.1.4.1.25506.8.35.2.1.1.1.12) | read-write | No | As per MIB |
| hh3cdot1qVlanRowStatus (1.3.6.1.4.1.25506.8.35.2.1.1.1.13) | read-create | No | Only support active(1), createAndgo(4) and destroy(6) |
| hh3cdot1qVlanBroadcastSuppression (1.3.6.1.4.1.25506.8.35.2.1.1.1.14) | read-write | No | Not supported. |
| hh3cdot1qVlanTaggedPorts (1.3.6.1.4.1.25506.8.35.2.1.1.1.17) | read-only | Current | As per MIB |
| hh3cdot1qVlanUntaggedPorts (1.3.6.1.4.1.25506.8.35.2.1.1.1.18) | read-only | Current | As per MIB |

1.hh3cdot1qVlanMIBTable is used for vlan information management and monitor, It can be used for VLAN row creation, deletion, and VLAN property configuration and query.

In this table the leaf node can be classified as config node and query node, config node can both be used for config and query purposes, while query node can be used for query only.

The config node in this table include:

hh3cdot1qVlanName

hh3cdot1qVlanPorts

hh3cdot1qVlanType

hh3cdot1qVlanPriority

hh3cdot1qVlanRowStatus

hh3cdot1qVlanBroadcastSuppression

hh3cdot1qVlanBcastSuppressionPPS

hh3cdot1qVlanMulticast (Not support)

Rest of the leaf nodes are query nodes.

2.hh3cdot1qVlanMIBTable configuration instruction:

hh3cdot1qVlanMIBTable use VLAN Index as the table index, which is normally called VLANID,

if a row is to be created, it is recommended to traverse this table first and use the unused VLAN index to create the row. In this table rowstatus only support active(1), createAndGo(4), destory(6).

For this MIB ,there are two kinds of operation:

2.1 hh3cdot1qVlanRowStatus(createAndGo(4)) and nodes are set together

When the rowstatus node and the following nodes are set simultaneously

hh3cdot1qVlanName

hh3cdot1qVlanPorts

hh3cdot1qVlanType

hh3cdot1qVlanPriority

hh3cdot1qVlanBroadcastSuppression

hh3cdot1qVlanBcastSuppressionPPS

hh3cdot1qVlanMulticast (Not support)

For hh3cdot1qVlanName, VLAN name string check is performed, the row is created only if the string check succeeds.

For rest of the leaf nodes listed above, the row will be created before setting the properties. If errors happen when setting the properties, the operation will fail while the row has already been created.

Here is some examples for the error mentioned above:

1) hh3cdot1qPorts: through this MIB node only access type ports can be added or deleted. Operation will fail while the row has already been created, if some of the ports to be added or deleted are not of access type.

2) hh3cdot1qVlanType: with value sub-vlan(3) can not be set using this MIB, when rowstatus(createAndGo(4)) and hh3cdot1qVlanType(sub-vlan(3)) are set together, Operation will fail while the row has already been created.

It is recommended to set hh3cdot1qVlanRowStatus(createAndGo(4)) and other node properties separately to avoid such kind of error.

2.2 Row already exist and set node properities:

For the following nodes:

hh3cdot1qVlanName The name length can not exceed 32 charcters.

hh3cdot1qVlanPorts To set the node successfully you should first get the value of the node, and then only change the corresponding bit of the access port.

hh3cdot1qVlanType sub-vlan(3) secondary-vlan(5) can not be set using this MIB

hh3cdot1qVlanPriority

hh3cdot1qVlanBroadcastSuppression

hh3cdot1qVlanBcastSuppressionPPS

hh3cdot1qVlanMulticast (Not support)

3. configuration example

1) Configuration succeess

hh3cdot1qVlanRowStatus(createAndGo(4)) are set together with hh3cdot1qVlanName using value "vlantest", use the index unused in this table, the row is created and hh3cdot1qVlanName is set successfully.

2) Configuration fail

Precondition: there is trunk type port existing on the device and port not belongs to this vlan. hh3cdot1qVlanRowStatus(createAndGo(4)) and hh3cdot1qVlanPorts with trunk port corresponding bit in the octet string setting to 1 are set together, Operation will fail while the row has already been created.

## hh3cVlanInterfaceTable

OID of this table is :1.3.6.1.4.1.25506.8.35.2.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cVlanInterfaceID (1.3.6.1.4.1.25506.8.35.2.1.2.1.1) | read-only | No | As per MIB |
| hh3cdot1qVlanID (1.3.6.1.4.1.25506.8.35.2.1.2.1.2) | read-only | No | As per MIB |
| hh3cdot1qVlanIpAddress (1.3.6.1.4.1.25506.8.35.2.1.2.1.3) | read-write | Current | hh3cdot1qVlanIpAddress and hh3cdot1qVlanIpAddressMask must by set simultaneously. |
| hh3cdot1qVlanIpAddressMask (1.3.6.1.4.1.25506.8.35.2.1.2.1.4) | read-write | Current | hh3cdot1qVlanIpAddress and hh3cdot1qVlanIpAddressMask must by set simultaneously. |
| hh3cVlanInterfaceAdminStatus (1.3.6.1.4.1.25506.8.35.2.1.2.1.5) | read-write | Current | As per MIB |
| hh3cVlanInterfaceFrameType (1.3.6.1.4.1.25506.8.35.2.1.2.1.6) | read-only | No | As per MIB |
| hh3cInterfaceRowStatus (1.3.6.1.4.1.25506.8.35.2.1.2.1.7) | read-create | No | Only support active(1), createAndgo(4) and destroy(6). When the rowstatus node and the other nodes in this table are set simultaneously, the row will be created before setting the properties, if errors happen when setting the properties, operation will fail while the row has already been created. It is recommended to set hh3cInterfaceRowStatus (createAndGo(4)) and other node properties separately to avoid such kind of error. Set status column to createAndGo when the status column is active, it will be succeed. |

## hh3cifIsolateMappingTable

OID of this table is :1.3.6.1.4.1.25506.8.35.2.1.4

The values of below objects must be appointted at the same time when SET operation.:

hh3cifIsolateSecondaryVlanlistLow,

hh3cifIsolateSecondaryVlanlistHigh,

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cifIsolatePrimaryVlanID (1.3.6.1.4.1.25506.8.35.2.1.4.1.1) | read-only | No | As per MIB |
| hh3cifIsolateSecondaryVlanlistLow (1.3.6.1.4.1.25506.8.35.2.1.4.1.2) | read-write | No | As per MIB |
| hh3cifIsolateSecondaryVlanlistHigh (1.3.6.1.4.1.25506.8.35.2.1.4.1.3) | read-write | No | As per MIB |

## hh3cVlanInterfaceAddrTable

OID of this table is :1.3.6.1.4.1.25506.8.35.2.1.5

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cVlanInterfaceIpIfIndex (1.3.6.1.4.1.25506.8.35.2.1.5.1.1) | read-only | No | As per MIB |
| hh3cVlanInterfaceIpAddr (1.3.6.1.4.1.25506.8.35.2.1.5.1.2) | read-write | Current | As per MIB |
| hh3cVlanInterfaceIpMask (1.3.6.1.4.1.25506.8.35.2.1.5.1.3) | read-write | Current | As per MIB |
| hh3cVlanInterfaceIpType (1.3.6.1.4.1.25506.8.35.2.1.5.1.4) | read-write | No | As per MIB |
| hh3cVlanInterfaceIpRowStatus (1.3.6.1.4.1.25506.8.35.2.1.5.1.5) | read-create | No | As per MIB |

# HH3C-TRNG-MIB

This MIB is used to manage time-range.

When creating an absolute time-range, configure hh3cTrngCreateTimerangeTable firstly, then use the value of hh3cTrngIndex as the value of hh3cTrngAbsoluteNameIndex to create hh3cTrngAbsoluteTable. For example, hh3cTrngCreateTimerangeTable is configured, and value of hh3cTrngIndex are 1,2,5, then 1,2,5 can be specified as index for creating hh3cTrngAbsoluteTable.

When creating a periodic time-range, configure hh3cTrngCreateTimerangeTable firstly, then use the value of hh3cTrngIndex as the value of hh3cTrngPeriodicNameIndex to create hh3cTrngPeriodicTable. For example, hh3cTrngCreateTimerangeTable is configured, and value of hh3cTrngIndex are 1,2,5, then 1,2,5 can be specified as index for creating hh3cTrngPeriodicTable.

After saving and rebooting, the value of hh3cTrngIndex, hh3cTrngAbsoluteNameIndex, hh3cTrngAbsoluteSubIndex, hh3cTrngPeriodicNameIndex and hh3cTrngPeriodicSubIndex may be adjusted.

If hh3cTrngCreateTimerangeTable is configured, hh3cTrngAbsoluteTable and hh3cTrngPeriodicTable are not configured, time-range does not actually exist, and the configuration of hh3cTrngCreateTimerangeTable may be lost after saving and rebooting.

## hh3cTrngCreateTimerangeTable

OID of this table is :1.3.6.1.4.1.25506.8.13.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cTrngIndex (1.3.6.1.4.1.25506.8.13.1.1.1.1) | not-accessible | No | As per MIB |
| hh3cTrngName (1.3.6.1.4.1.25506.8.13.1.1.1.2) | read-create | Current | As per MIB |
| hh3cTrngValidFlag (1.3.6.1.4.1.25506.8.13.1.1.1.3) | read-only | Current | As per MIB |
| hh3cTrngCreateRowStatus (1.3.6.1.4.1.25506.8.13.1.1.1.4) | read-create | Current | As per MIB |

## hh3cTrngAbsoluteTable

OID of this table is :1.3.6.1.4.1.25506.8.13.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cTrngAbsoluteNameIndex (1.3.6.1.4.1.25506.8.13.1.2.1.1) | not-accessible | No | As per MIB |
| hh3cTrngAbsoluteSubIndex (1.3.6.1.4.1.25506.8.13.1.2.1.2) | not-accessible | No | As per MIB |
| hh3cTimerangeAbsoluteStartTime (1.3.6.1.4.1.25506.8.13.1.2.1.3) | read-create | Current | As per MIB |
| hh3cTimerangeAbsoluteEndTime (1.3.6.1.4.1.25506.8.13.1.2.1.4) | read-create | Current | As per MIB |
| hh3cTimerangeAbsolueRowStatus (1.3.6.1.4.1.25506.8.13.1.2.1.5) | read-create | Current | As per MIB |

## hh3cTrngPeriodicTable

OID of this table is :1.3.6.1.4.1.25506.8.13.1.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cTrngPeriodicNameIndex (1.3.6.1.4.1.25506.8.13.1.3.1.1) | not-accessible | No | As per MIB |
| hh3cTrngPeriodicSubIndex (1.3.6.1.4.1.25506.8.13.1.3.1.2) | not-accessible | No | As per MIB |
| hh3cTrngPeriodicDayOfWeek (1.3.6.1.4.1.25506.8.13.1.3.1.3) | read-create | Current | As per MIB |
| hh3cTimerangePeriodicStartTime (1.3.6.1.4.1.25506.8.13.1.3.1.4) | read-create | Current | As per MIB |
| hh3cTimerangePeriodicEndTime (1.3.6.1.4.1.25506.8.13.1.3.1.5) | read-create | Current | As per MIB |
| hh3cTimerangePeriodicRowStatus (1.3.6.1.4.1.25506.8.13.1.3.1.6) | read-create | Current | As per MIB |

# HH3C-8021PAE-MIB

## hh3cdot1xPaeSystem group

OID of this table is :1.3.6.1.4.1.25506.8.6.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cdot1xAuthQuietPeriod (1.3.6.1.4.1.25506.8.6.1.1.1) | read-write | Current | The value range is [10-120] |
| hh3cdot1xAuthTxPeriod (1.3.6.1.4.1.25506.8.6.1.1.2) | read-write | Current | The value range is [10-120] |
| hh3cdot1xAuthSuppTimeout (1.3.6.1.4.1.25506.8.6.1.1.3) | read-write | Current | The value range is [10-120] |
| hh3cdot1xAuthServerTimeout (1.3.6.1.4.1.25506.8.6.1.1.4) | read-write | Current | The value range is [100-300] |
| hh3cdot1xAuthMaxReq (1.3.6.1.4.1.25506.8.6.1.1.5) | read-write | Current | The value range is [1-10] |
| hh3cdot1xAuthReAuthPeriod (1.3.6.1.4.1.25506.8.6.1.1.6) | read-write | Current | The value range is [60-7200] |
| hh3cdot1xAuthMethod (1.3.6.1.4.1.25506.8.6.1.1.7) | read-write | Current | The value is chap(1), pap(2) or EAP(3). |

## hh3cdot1xAuthConfigExtTable

OID of this table is :1.3.6.1.4.1.25506.8.6.1.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cdot1xpaeportAuthAdminStatus (1.3.6.1.4.1.25506.8.6.1.2.1.1.1) | read-write | Current | As per MIB |
| hh3cdot1xpaeportControlledType (1.3.6.1.4.1.25506.8.6.1.2.1.1.2) | read-write | Current | As per MIB |
| hh3cdot1xpaeportMaxUserNum (1.3.6.1.4.1.25506.8.6.1.2.1.1.3) | read-write | Current | As per MIB |
| hh3cdot1xpaeportUserNumNow (1.3.6.1.4.1.25506.8.6.1.2.1.1.4) | read-only | No | As per MIB |
| hh3cdot1xpaeportClearStatistics (1.3.6.1.4.1.25506.8.6.1.2.1.1.5) | read-write | No | As per MIB |
| hh3cdot1xpaeportMcastTrigStatus (1.3.6.1.4.1.25506.8.6.1.2.1.1.6) | read-write | Current | As per MIB |
| hh3cdot1xpaeportHandshakeStatus (1.3.6.1.4.1.25506.8.6.1.2.1.1.7) | read-write | Current | As per MIB |

# HH3C-LswIGSP-MIB

## hh3cLswIgmpsnoopingMibObject

OID of this table is :1.3.6.1.4.1.25506.8.35.7.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cIgmpSnoopingStatus (1.3.6.1.4.1.25506.8.35.7.1.1) | read-write | Current | The default setting is disabled |
| hh3cIgmpSnoopingRouterPortAge (1.3.6.1.4.1.25506.8.35.7.1.2) | read-write | Current | As per MIB |
| hh3cIgmpSnoopingResponseTime (1.3.6.1.4.1.25506.8.35.7.1.3) | read-write | Current | As per MIB |
| hh3cIgmpSnoopingHostTime (1.3.6.1.4.1.25506.8.35.7.1.4) | read-write | Current | As per MIB |
| hh3cIgmpSnoopingNonFloodingStatus (1.3.6.1.4.1.25506.8.35.7.1.8) | read-write | Current | The default setting is disabled. |

## hh3cIgmpSnoopingStatsObjects

OID of this table is :1.3.6.1.4.1.25506.8.35.7.1.10

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cRecvIGMPGQueryNum (1.3.6.1.4.1.25506.8.35.7.1.10.1) | read-only | No | As per MIB |
| hh3cRecvIGMPSQueryNum (1.3.6.1.4.1.25506.8.35.7.1.10.2) | read-only | No | As per MIB |
| hh3cRecvIGMPV1ReportNum (1.3.6.1.4.1.25506.8.35.7.1.10.3) | read-only | No | As per MIB |
| hh3cRecvIGMPV2ReportNum (1.3.6.1.4.1.25506.8.35.7.1.10.4) | read-only | No | As per MIB |
| hh3cRecvIGMPLeaveNum (1.3.6.1.4.1.25506.8.35.7.1.10.5) | read-only | No | As per MIB |
| hh3cRecvErrorIGMPPacketNum (1.3.6.1.4.1.25506.8.35.7.1.10.6) | read-only | No | As per MIB |
| hh3cSentIGMPSQueryNum (1.3.6.1.4.1.25506.8.35.7.1.10.7) | read-only | No | As per MIB |
| hh3cIgmpSnoopingClearStats (1.3.6.1.4.1.25506.8.35.7.1.10.8) | read-write | No | As per MIB |

## hh3cIgmpSnoopingVlanStatusTable

OID of this table is :1.3.6.1.4.1.25506.8.35.7.1.9

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cIgmpSnoopingVlanID (1.3.6.1.4.1.25506.8.35.7.1.9.1.1) | no-accessible | Current | As per MIB |
| hh3cIgmpSnoopingVlanEnabled (1.3.6.1.4.1.25506.8.35.7.1.9.1.2) | read-write | No | As per MIB |

# HH3C-ACL-MIB

## hh3cAclMib2NodesGroup

OID of this table is :1.3.6.1.4.1.25506.2.8.2.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cAclMib2Mode (1.3.6.1.4.1.25506.2.8.2.1.1.1) | read-write | No | Not supported |
| hh3cAclMib2Version (1.3.6.1.4.1.25506.2.8.2.1.1.2) | read-only | No | As per MIB |
| hh3cAclMib2ObjectsCapabilities (1.3.6.1.4.1.25506.2.8.2.1.1.3) | read-only | No | As per MIB |

## hh3cAclMib2CapabilityTable

OID of this table is :1.3.6.1.4.1.25506.2.8.2.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cAclMib2EntityType (1.3.6.1.4.1.25506.2.8.2.1.2.1.1) | not-accessible | No | As per MIB |
| hh3cAclMib2EntityIndex (1.3.6.1.4.1.25506.2.8.2.1.2.1.2) | not-accessible | No | As per MIB |
| hh3cAclMib2ModuleIndex (1.3.6.1.4.1.25506.2.8.2.1.2.1.3) | not-accessible | No | As per MIB |
| hh3cAclMib2CharacteristicsIndex (1.3.6.1.4.1.25506.2.8.2.1.2.1.4) | not-accessible | No | As per MIB |
| hh3cAclMib2CharacteristicsDesc (1.3.6.1.4.1.25506.2.8.2.1.2.1.5) | read-only | No | As per MIB |
| hh3cAclMib2CharacteristicsValue (1.3.6.1.4.1.25506.2.8.2.1.2.1.6) | read-only | No | As per MIB |

## hh3cAclNumberGroupTable

OID of this table is :1.3.6.1.4.1.25506.2.8.2.1.3

Notes:

If the value of hh3cAclNumberGroupIndex is between 5000 and 5999, it means to configure an user acl, then hh3cAclNumberGroupMatchOrder and hh3cAclNumberGroupStep are forbidden, because user acl does not support configuring match-order and step.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cAclNumberGroupType (1.3.6.1.4.1.25506.2.8.2.1.3.1.1) | not-accessible | Current | As per MIB |
| hh3cAclNumberGroupIndex (1.3.6.1.4.1.25506.2.8.2.1.3.1.2) | not-accessible | Current | As per MIB |
| hh3cAclNumberGroupRowStatus (1.3.6.1.4.1.25506.2.8.2.1.3.1.3) | read-create | Current | Only support active(1), createAndGo(4), and destroy(6) |
| hh3cAclNumberGroupMatchOrder (1.3.6.1.4.1.25506.2.8.2.1.3.1.4) | read-create | Current | As per MIB |
| hh3cAclNumberGroupStep (1.3.6.1.4.1.25506.2.8.2.1.3.1.5) | read-create | Current | As per MIB |
| hh3cAclNumberGroupDescription (1.3.6.1.4.1.25506.2.8.2.1.3.1.6) | read-create | Current | As per MIB |
| hh3cAclNumberGroupCountClear (1.3.6.1.4.1.25506.2.8.2.1.3.1.7) | read-write | No | As per MIB |
| hh3cAclNumberGroupRuleCounter (1.3.6.1.4.1.25506.2.8.2.1.3.1.8) | read-only | Current | As per MIB |

## hh3cAclIPAclBasicTable

OID of this table is :1.3.6.1.4.1.25506.2.8.2.2.2

Notes:

If a rule will be created, hh3cAclIPAclBasicRowStatus must be 4 and the rule number does not exist.

The value of hh3cAclIPAclBasicAct is 1, 2 or 3.

If the node hh3cAclIPAclBasicSrcAny is set and the value of hh3cAclIPAclBasicSrcAny is true, the set operation of hh3cAclIPAclBasicSrcAddrType, hh3cAclIPAclBasicSrcAddr, hh3cAclIPAclBasicSrcPrefix or hh3cAclIPAclBasicSrcWild does not be executed. when the node hh3cAclIPAclBasicSrcAny is not set, If the node hh3cAclIPAclBasicSrcAddrType is set and the value of hh3cAclIPAclBasicSrcAddrType is 1, hh3cAclIPAclBasicSrcAddr and hh3cAclIPAclBasicSrcWild must be set correctly and the set operation of node hh3cAclIPAclBasicSrcPrefix is forbidden; If the node hh3cAclIPAclBasicSrcAddrType is set and the value of hh3cAclIPAclBasicSrcAddrType is 2, hh3cAclIPAclBasicSrcAddr and hh3cAclIPAclBasicSrcPrefix must be set correctly and the set operation of node hh3cAclIPAclBasicSrcWild is forbidden.. The value of hh3cAclIPAclBasicSrcAddrType is 1 or 2 now.

If VPN instance exists,hh3cAclIPAclBasicVpnInstanceName can be set ,otherwise it can not.

The value of hh3cAclIPAclBasicFragmentFlag is only 0 or 2 now.

All the objects in the table except hh3cAclIPAclBasicComment can not be modified now.

If destroy operation is executed, hh3cAclIPAclBasicRowStatus value must be 6,and the value of hh3cAclNumberGroupType,hh3cAclNumberGroupIndex hh3cAclIPAclBasicRuleIndex must exist, otherwise it will return error.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cAclIPAclBasicRuleIndex (1.3.6.1.4.1.25506.2.8.2.2.2.1.1) | not-accessible | Current | As per MIB |
| hh3cAclIPAclBasicRowStatus (1.3.6.1.4.1.25506.2.8.2.2.2.1.2) | read-create | Current | Only support active(1), createAndGo(4), and destroy(6) |
| hh3cAclIPAclBasicAct (1.3.6.1.4.1.25506.2.8.2.2.2.1.3) | read-create | Current | As per MIB |
| hh3cAclIPAclBasicSrcAddrType (1.3.6.1.4.1.25506.2.8.2.2.2.1.4) | read-create | Current | As per MIB |
| hh3cAclIPAclBasicSrcAddr (1.3.6.1.4.1.25506.2.8.2.2.2.1.5) | read-create | Current | As per MIB |
| hh3cAclIPAclBasicSrcPrefix (1.3.6.1.4.1.25506.2.8.2.2.2.1.6) | read-create | Current | As per MIB |
| hh3cAclIPAclBasicSrcAny (1.3.6.1.4.1.25506.2.8.2.2.2.1.7) | read-create | Current | The default value is true(1). |
| hh3cAclIPAclBasicSrcWild (1.3.6.1.4.1.25506.2.8.2.2.2.1.8) | read-create | Current | As per MIB |
| hh3cAclIPAclBasicTimeRangeName (1.3.6.1.4.1.25506.2.8.2.2.2.1.9) | read-create | Current | As per MIB |
| hh3cAclIPAclBasicFragmentFlag (1.3.6.1.4.1.25506.2.8.2.2.2.1.10) | read-create | Current | Support 0 and 2 |
| hh3cAclIPAclBasicLog (1.3.6.1.4.1.25506.2.8.2.2.2.1.11) | read-create | Current | As per MIB |
| hh3cAclIPAclBasicCount (1.3.6.1.4.1.25506.2.8.2.2.2.1.12) | read-only | No | As per MIB |
| hh3cAclIPAclBasicCountClear (1.3.6.1.4.1.25506.2.8.2.2.2.1.13) | read-write | No | Not supported |
| hh3cAclIPAclBasicEnable (1.3.6.1.4.1.25506.2.8.2.2.2.1.14) | read-only | No | As per MIB |
| hh3cAclIPAclBasicVpnInstanceName (1.3.6.1.4.1.25506.2.8.2.2.2.1.15) | read-create | Current | As per MIB |
| hh3cAclIPAclBasicComment (1.3.6.1.4.1.25506.2.8.2.2.2.1.16) | read-create | current | Only support read and set operation. |

## hh3cAclIPAclAdvancedTable

OID of this table is :1.3.6.1.4.1.25506.2.8.2.2.3

Notes:

If a rule will be created, hh3cAclIPAclAdvancedRowStatus must be 4 and the rule number does not exist.

The value of hh3cAclIPAclAdvancedAct is 1, 2 or 3;

When the value of hh3cAclIPAclAdvancedProtocol is udp or tcp, hh3cAclIPAclAdvancedSrcOp, hh3cAclIPAclAdvancedSrcPort1 and hh3cAclIPAclAdvancedSrcPort2 can be set;

The value of hh3cAclIPAclAdvancedDestAddrType and hh3cAclIPAclAdvancedSrcAddrType is 1 or 2.

When the value of hh3cAclIPAclAdvancedProtocol is ICMP or ICMPV6, hh3cAclIPAclAdvancedIcmpType and hh3cAclIPAclAdvancedIcmpCode can be set, otherwise it can not.

If the node hh3cAclIPAclAdvancedSrcAny is set and the value of hh3cAclIPAclAdvancedSrcAny is true, the set operation of hh3cAclIPAclAdvancedSrcAddrType, hh3cAclIPAclAdvancedSrcAddr, hh3cAclIPAclAdvancedSrcPrefix, or hh3cAclIPAclAdvancedSrcWild does not be executed. when the node hh3cAclIPAclAdvancedSrcAny is not set, If the node hh3cAclIPAclAdvancedSrcAddrType is set and the value of hh3cAclIPAclAdvancedSrcAddrType is 1, hh3cAclIPAclAdvancedSrcAddr and hh3cAclIPAclAdvancedSrcWild must be set correctly and the set operation of node hh3cAclIPAclAdvancedSrcPrefix is forbidden; If the node hh3cAclIPAclAdvancedSrcAddrType is set and the value of hh3cAclIPAclAdvancedSrcAddrType is 2, hh3cAclIPAclAdvancedSrcAddr and hh3cAclIPAclAdvancedSrcPrefix must be set correctly and the set operation of node hh3cAclIPAclAdvancedSrcWild is forbidden.. The value of hh3cAclIPAclAdvancedSrcAddrType is 1 or 2 now. So do hh3cAclIPAclAdvancedDestAddrType, hh3cAclIPAclAdvancedDestAddr, hh3cAclIPAclAdvancedDestPrefix, hh3cAclIPAclAdvancedDestAny and hh3cAclIPAclAdvancedDestWild.

Only Simple ACL supports node hh3cAclIPAclAdvancedAddrFlag. hh3cAclIPAclAdvancedTCPFlag and hh3cAclIPAclAdvancedVpnInstanceName are not supported now.

The value of hh3cAclIPAclAdvancedFragmentFlag is only 0 or 2 now.

All the objects in the table except hh3cAclIPAclAdvancedComment can not be modified now.

If destroy operation is executed, hh3cAclIPAclAdvancedRowStatus value must be 6,and The value of hh3cAclNumberGroupType,hh3cAclNumberGroupIndex hh3cAclIPAclAdvancedRuleIndex must exist, or it will return error.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cAclIPAclAdvancedRuleIndex (1.3.6.1.4.1.25506.2.8.2.2.3.1.1) | not-accessible | Current | As per MIB |
| hh3cAclIPAclAdvancedRowStatus (1.3.6.1.4.1.25506.2.8.2.2.3.1.2) | read-create | Current | Only support active(1), createAndGo(4), and destroy(6) |
| hh3cAclIPAclAdvancedAct (1.3.6.1.4.1.25506.2.8.2.2.3.1.3) | read-create | Current | If the rule is Advanced ACL, the value of this object is ‘permit’ or ‘deny’.  If the rule is Simple ACL, the value of this object must be ‘invalid’. |
| hh3cAclIPAclAdvancedProtocol (1.3.6.1.4.1.25506.2.8.2.2.3.1.4) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedAddrFlag (1.3.6.1.4.1.25506.2.8.2.2.3.1.5) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedSrcAddrType (1.3.6.1.4.1.25506.2.8.2.2.3.1.6) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedSrcAddr (1.3.6.1.4.1.25506.2.8.2.2.3.1.7) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedSrcPrefix (1.3.6.1.4.1.25506.2.8.2.2.3.1.8) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedSrcAny (1.3.6.1.4.1.25506.2.8.2.2.3.1.9) | read-create | Current | The default value is true(1). |
| hh3cAclIPAclAdvancedSrcWild (1.3.6.1.4.1.25506.2.8.2.2.3.1.10) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedSrcOp (1.3.6.1.4.1.25506.2.8.2.2.3.1.11) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedSrcPort1 (1.3.6.1.4.1.25506.2.8.2.2.3.1.12) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedSrcPort2 (1.3.6.1.4.1.25506.2.8.2.2.3.1.13) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedDestAddrType (1.3.6.1.4.1.25506.2.8.2.2.3.1.14) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedDestAddr (1.3.6.1.4.1.25506.2.8.2.2.3.1.15) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedDestPrefix (1.3.6.1.4.1.25506.2.8.2.2.3.1.16) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedDestAny (1.3.6.1.4.1.25506.2.8.2.2.3.1.17) | read-create | Current | The default value is true(1) |
| hh3cAclIPAclAdvancedDestWild (1.3.6.1.4.1.25506.2.8.2.2.3.1.18) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedDestOp (1.3.6.1.4.1.25506.2.8.2.2.3.1.19) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedDestPort1 (1.3.6.1.4.1.25506.2.8.2.2.3.1.20) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedDestPort2 (1.3.6.1.4.1.25506.2.8.2.2.3.1.21) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedIcmpType (1.3.6.1.4.1.25506.2.8.2.2.3.1.22) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedIcmpCode (1.3.6.1.4.1.25506.2.8.2.2.3.1.23) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedPrecedence (1.3.6.1.4.1.25506.2.8.2.2.3.1.24) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedTos (1.3.6.1.4.1.25506.2.8.2.2.3.1.25) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedDscp (1.3.6.1.4.1.25506.2.8.2.2.3.1.26) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedTimeRangeName (1.3.6.1.4.1.25506.2.8.2.2.3.1.27) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedTCPFlag (1.3.6.1.4.1.25506.2.8.2.2.3.1.28) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedFragmentFlag (1.3.6.1.4.1.25506.2.8.2.2.3.1.29) | read-create | Current | Support 0 and 2 |
| hh3cAclIPAclAdvancedLog (1.3.6.1.4.1.25506.2.8.2.2.3.1.30) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedCount (1.3.6.1.4.1.25506.2.8.2.2.3.1.31) | read-only | NO | As per MIB |
| hh3cAclIPAclAdvancedCountClear (1.3.6.1.4.1.25506.2.8.2.2.3.1.32) | read-write | NO | Not supported |
| hh3cAclIPAclAdvancedEnable (1.3.6.1.4.1.25506.2.8.2.2.3.1.33) | read-only | NO | As per MIB |
| hh3cAclIPAclAdvancedVpnInstanceName (1.3.6.1.4.1.25506.2.8.2.2.3.1.34) | read-create | Current | As per MIB |
| hh3cAclIPAclAdvancedComment (1.3.6.1.4.1.25506.2.8.2.2.3.1.35) | read-create | Current | Only support read and set operation. |

## hh3cAclMACTable

OID of this table is :1.3.6.1.4.1.25506.2.8.2.3.1

Notes:

If a rule will be created, hh3cAclMACRowStatus must be 4 and the rule number does not exist.

The value of hh3cAclMACAct is 1, 2 or 3 and the set of hh3cAclMACAct is required when a rule is created.

hh3cAclMACTypeCode and hh3cAclMACTypeMask must be set together.

hh3cAclMACSrcMac and hh3cAclMACSrcMacWild must be set together.

hh3cAclMACDestMac and hh3cAclMACDestMacWild must be set together.

hh3cAclMACLsapCode and hh3cAclMACLsapMask must be set together.

If hh3cAclMACTypeCode or hh3cAclMACTypeMask is set, hh3cAclMACLsapCode or hh3cAclMACLsapMask must be not set.

If hh3cAclMACLsapCode or hh3cAclMACLsapMask is set, hh3cAclMACTypeCode or hh3cAclMACTypeMask must be not set.

All the objects in the table except hh3cAclMACComment can not be modified now.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cAclMACRuleIndex (1.3.6.1.4.1.25506.2.8.2.3.1.1.1) | not-accessible | Current | As per MIB |
| hh3cAclMACRowStatus (1.3.6.1.4.1.25506.2.8.2.3.1.1.2) | read-create | Current | Only support active(1), createAndGo(4), and destroy(6) |
| hh3cAclMACAct (1.3.6.1.4.1.25506.2.8.2.3.1.1.3) | read-create | Current | As per MIB |
| hh3cAclMACTypeCode (1.3.6.1.4.1.25506.2.8.2.3.1.1.4) | read-create | Current | As per MIB |
| hh3cAclMACTypeMask (1.3.6.1.4.1.25506.2.8.2.3.1.1.5) | read-create | Current | As per MIB |
| hh3cAclMACSrcMac (1.3.6.1.4.1.25506.2.8.2.3.1.1.6) | read-create | Current | As per MIB |
| hh3cAclMACSrcMacWild (1.3.6.1.4.1.25506.2.8.2.3.1.1.7) | read-create | Current | As per MIB |
| hh3cAclMACDestMac (1.3.6.1.4.1.25506.2.8.2.3.1.1.8) | read-create | Current | As per MIB |
| hh3cAclMACDestMacWild (1.3.6.1.4.1.25506.2.8.2.3.1.1.9) | read-create | Current | As per MIB |
| hh3cAclMACLsapCode (1.3.6.1.4.1.25506.2.8.2.3.1.1.10) | read-create | Current | As per MIB |
| hh3cAclMACLsapMask (1.3.6.1.4.1.25506.2.8.2.3.1.1.11) | read-create | Current | As per MIB |
| hh3cAclMACCos (1.3.6.1.4.1.25506.2.8.2.3.1.1.12) | read-create | Current | As per MIB |
| hh3cAclMACTimeRangeName (1.3.6.1.4.1.25506.2.8.2.3.1.1.13) | read-create | Current | As per MIB |
| hh3cAclMACCount (1.3.6.1.4.1.25506.2.8.2.3.1.1.14) | read-only | NO | As per MIB |
| hh3cAclMACCountClear (1.3.6.1.4.1.25506.2.8.2.3.1.1.15) | read-write | NO | Not supported |
| hh3cAclMACEnable (1.3.6.1.4.1.25506.2.8.2.3.1.1.16) | read-only | NO | As per MIB |
| hh3cAclMACComment (1.3.6.1.4.1.25506.2.8.2.3.1.1.17) | read-create | Current | Only support read and set operation. |

## hh3cAclResourceUsageTable

OID of this table is: 1.3.6.1.4.1.25506.2.8.2.5.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cAclResourceChassis (1.3.6.1.4.1.25506.2.8.2.5.1.1.1) | not-accessible | No | As per MIB |
| hh3cAclResourceSlot (1.3.6.1.4.1.25506.2.8.2.5.1.1.2) | not-accessible | No | As per MIB |
| hh3cAclResourceChip (1.3.6.1.4.1.25506.2.8.2.5.1.1.3) | not-accessible | No | As per MIB |
| hh3cAclResourceType (1.3.6.1.4.1.25506.2.8.2.5.1.1.4) | not-accessible | No | As per MIB |
| hh3cAclPortRange (1.3.6.1.4.1.25506.2.8.2.5.1.1.5) | read-only | No | As per MIB |
| hh3cAclResourceTotal (1.3.6.1.4.1.25506.2.8.2.5.1.1.6) | read-only | No | As per MIB |
| hh3cAclResourceReserved (1.3.6.1.4.1.25506.2.8.2.5.1.1.7) | read-only | No | As per MIB |
| hh3cAclResourceConfigured (1.3.6.1.4.1.25506.2.8.2.5.1.1.8) | read-only | No | As per MIB |
| hh3cAclResourceUsagePercent (1.3.6.1.4.1.25506.2.8.2.5.1.1.9) | read-only | No | As per MIB |

# HH3C-CBQOS2-MIB

## Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCBQoSClassifierIndexNext (1.3.6.1.4.1.25506.2.65.2.1.1.1) | read-only | No | If the value of this object is 65535, it indicates that no instance can be created in hh3cCBQoSClassifierCfgInfoTable. |
| hh3cCBQoSBehaviorIndexNext (1.3.6.1.4.1.25506.2.65.2.1.2.1) | read-only | No | If the value of this object is 65535, it indicates that no instance can be created in hh3cCBQoSBehaviorCfgInfoTable. |
| hh3cCBQoSPolicyIndexNext (1.3.6.1.4.1.25506.2.65.2.1.3.1) | read-only | No | If the value of this object is 65535, it indicates that no instance can be created in hh3cCBQoSPolicyCfgInfoTable. |
| hh3cCBQoSApplyingStatus (1.3.6.1.4.1.25506.2.65.2.1.6.1) | read-only | No | It is forbidden to set in this MIB module when the value is busy(2). |

## hh3cCBQoSAccountingRunInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.65.2.1.5.6.8

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCBQoSAccountingPackets (1.3.6.1.4.1.25506.2.65.2.1.5.6.8.1.1) | read-only | No | As per MIB |
| hh3cCBQoSAccountingBytes (1.3.6.1.4.1.25506.2.65.2.1.5.6.8.1.2) | read-only | No | As per MIB |

## hh3cCBQoSBehaviorCfgInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.65.2.1.2.2

This table does not support to modify the variable of existing entry, only supports to create a new entry and destroy an existing entry.

When creating a new entry of this table:

1. Get the value of hh3cCBQoSBehaviorIndexNext.
2. Use the value as hh3cCBQoSBehaviorIndex to create the new entry of this table.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCBQoSBehaviorIndex (1.3.6.1.4.1.25506.2.65.2.1.2.2.1.1) | not-accessible | No | As per MIB |
| hh3cCBQoSBehaviorName (1.3.6.1.4.1.25506.2.65.2.1.2.2.1.2) | read-create | Current | As per MIB |
| hh3cCBQoSBehaviorType (1.3.6.1.4.1.25506.2.65.2.1.2.2.1.3) | read-only | Current | As per MIB |
| hh3cCBQoSBehaviorRowStatus (1.3.6.1.4.1.25506.2.65.2.1.2.2.1.4) | read-create | Current | Only support active(1), createAndGo(4), and destroy(6). |

## hh3cCBQoSCarCfgInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.65.2.1.2.3

This table does not support to modify the variable of existing entry, only supports to create a new entry and destroy an existing entry.

hh3cCBQoSCarCir must be bound when creating a new entry of this table.

When creating a new entry, if hh3cCBQoSCarGreenAction is pass(1) or discard(3), hh3cCBQoSCarGreenRemarkValue must not be bound.

When creating a new entry, if hh3cCBQoSCarYellowAction is pass(1) or discard(3), hh3cCBQoSCarYellowRemarkValue must not be bound.

When creating a new entry, if hh3cCBQoSCarRedAction is pass(1) or discard(3), hh3cCBQoSCarRedRemarkValue must not be bound.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCBQoSCarCir (1.3.6.1.4.1.25506.2.65.2.1.2.3.1.1) | read-create | Current | As per MIB |
| hh3cCBQoSCarCbs (1.3.6.1.4.1.25506.2.65.2.1.2.3.1.2) | read-create | Current | As per MIB |
| hh3cCBQoSCarEbs (1.3.6.1.4.1.25506.2.65.2.1.2.3.1.3) | read-create | Current | As per MIB |
| hh3cCBQoSCarPir (1.3.6.1.4.1.25506.2.65.2.1.2.3.1.4) | read-create | Current | As per MIB |
| hh3cCBQoSCarPbs (1.3.6.1.4.1.25506.2.65.2.1.2.3.1.5) | read-create | Current | Not supported. The value is always 4294967295. |
| hh3cCBQoSCarGreenAction (1.3.6.1.4.1.25506.2.65.2.1.2.3.1.6) | read-create | Current | Only suppurt pass(1), discard(3), remark-dscp-pass(10). |
| hh3cCBQoSCarGreenRemarkValue (1.3.6.1.4.1.25506.2.65.2.1.2.3.1.7) | read-create | Current | As per MIB |
| hh3cCBQoSCarYellowAction (1.3.6.1.4.1.25506.2.65.2.1.2.3.1.8) | read-create | Current | Only suppurt pass(1), discard(3), remark-dscp-pass(10). |
| hh3cCBQoSCarYellowRemarkValue (1.3.6.1.4.1.25506.2.65.2.1.2.3.1.9) | read-create | Current | As per MIB |
| hh3cCBQoSCarRedAction (1.3.6.1.4.1.25506.2.65.2.1.2.3.1.10) | read-create | Current | Only suppurt pass(1), discard(3), remark-dscp-pass(10). |
| hh3cCBQoSCarRedRemarkValue (1.3.6.1.4.1.25506.2.65.2.1.2.3.1.11) | read-create | Current | As per MIB |
| hh3cCBQoSCarPolicedPriorityMapType (1.3.6.1.4.1.25506.2.65.2.1.2.3.1.12) | read-create | Current | Not supported. The value is always none(0). |
| hh3cCBQoSCarRowStatus (1.3.6.1.4.1.25506.2.65.2.1.2.3.1.13) | read-create | Current | Only support active(1), createAndGo(4), and destroy(6). |

## hh3cCBQoSCarRunInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.65.2.1.5.6.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCBQoSCarGreenPackets (1.3.6.1.4.1.25506.2.65.2.1.5.6.3.1.1) | read-only | No | As per MIB |
| hh3cCBQoSCarGreenBytes (1.3.6.1.4.1.25506.2.65.2.1.5.6.3.1.2) | read-only | No | Not supported |
| hh3cCBQoSCarRedPackets (1.3.6.1.4.1.25506.2.65.2.1.5.6.3.1.3) | read-only | No | As per MIB |
| hh3cCBQoSCarRedBytes (1.3.6.1.4.1.25506.2.65.2.1.5.6.3.1.4) | read-only | No | Not supported |
| hh3cCBQoSCarYellowPackets (1.3.6.1.4.1.25506.2.65.2.1.5.6.3.1.5) | read-only | No | Not supported |
| hh3cCBQoSCarYellowBytes (1.3.6.1.4.1.25506.2.65.2.1.5.6.3.1.6) | read-only | No | Not supported |

## hh3cCBQoSClassifierCfgInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.65.2.1.1.2

This table does not support to modify the variable of existing entry, only supports to create a new entry and destroy an existing entry.

When creating a new entry of this table:

1. Get the value of hh3cCBQoSClassifierIndexNext.
2. Use the value as hh3cCBQoSClassifierIndex to create the new entry of this table.
3. hh3cCBQoSClassifierName must be bound when creating a new entry of this table.
4. hh3cCBQoSClassifierRuleCount stands for the number of nodes in the classifier, including the nodes that are only supported by the command line.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCBQoSClassifierIndex (1.3.6.1.4.1.25506.2.65.2.1.1.2.1.1) | not-accessible | No | As per MIB |
| hh3cCBQoSClassifierName (1.3.6.1.4.1.25506.2.65.2.1.1.2.1.2) | read-create | Current | As per MIB |
| hh3cCBQoSClassifierRuleCount (1.3.6.1.4.1.25506.2.65.2.1.1.2.1.3) | read-only | Current | As per MIB |
| hh3cCBQoSClassifierOperator (1.3.6.1.4.1.25506.2.65.2.1.1.2.1.4) | read-create | Current | As per MIB |
| hh3cCBQoSClassifierLayer (1.3.6.1.4.1.25506.2.65.2.1.1.2.1.5) | read-create | Current | Not supported. The value is always unavailable(1). |
| hh3cCBQoSClassifierType (1.3.6.1.4.1.25506.2.65.2.1.1.2.1.6) | read-only | Current | As per MIB |
| hh3cCBQosClassifierMatchRuleNextIndex (1.3.6.1.4.1.25506.2.65.2.1.1.2.1.7) | read-only | No | If the value of this object is 65535, it indicates that no instance can be created in hh3cCBQoSMatchRuleCfgInfoTable. |
| hh3cCBQoSClassifierRowStatus (1.3.6.1.4.1.25506.2.65.2.1.1.2.1.8) | read-create | Current | Only support active(1), createAndGo(4), and destroy(6). |

## hh3cCBQoSFirewallCfgInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.65.2.1.2.12

This table does not support to modify the variable of existing entry, only supports to create a new entry and destroy an existing entry.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCBQoSFirewallAction (1.3.6.1.4.1.25506.2.65.2.1.2.12.1.1) | read-create | Current | As per MIB |
| hh3cCBQoSFirewallRowStatus (1.3.6.1.4.1.25506.2.65.2.1.2.12.1.2) | read-create | Current | Only support active(1), createAndGo(4), and destroy(6). |

## hh3cCBQoSGlobalApplyTable

OID of this table is :1.3.6.1.4.1.25506.2.65.2.1.4.6

This table does not support to modify the variable of existing entry, only supports to create a new entry and destroy an existing entry.

hh3cCBQoSGlobalApplyName must be bound when creating a new entry of this table.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCBQoSGlobalApplyDirection (1.3.6.1.4.1.25506.2.65.2.1.4.6.1.1) | not-accessible | Current | As per MIB |
| hh3cCBQoSGlobalApplyName (1.3.6.1.4.1.25506.2.65.2.1.4.6.1.2) | read-create | Current | As per MIB |
| hh3cCBQoSGlobalApplyRowStatus (1.3.6.1.4.1.25506.2.65.2.1.4.6.1.3) | read-create | Current | As per MIB |

## hh3cCBQoSIfApplyPolicyTable

OID of this table is :1.3.6.1.4.1.25506.2.65.2.1.4.1

This table does not support to modify the variable of existing entry, only supports to create a new entry and destroy an existing entry.

hh3cCBQoSIfApplyPolicyName must be bound in a set operation.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCBQoSIfApplyPolicyIfIndex (1.3.6.1.4.1.25506.2.65.2.1.4.1.1.1) | not-accessible | Current | As per MIB |
| hh3cCBQoSIfApplyPolicyDirection (1.3.6.1.4.1.25506.2.65.2.1.4.1.1.2) | not-accessible | Current | As per MIB |
| hh3cCBQoSIfApplyPolicyName (1.3.6.1.4.1.25506.2.65.2.1.4.1.1.3) | read-create | Current | As per MIB |
| hh3cCBQoSIfApplyPolicyEnableDynamic (1.3.6.1.4.1.25506.2.65.2.1.4.1.1.4) | read-create | Current | Not supported. The value is always unavailable(1). |
| hh3cCBQoSIfApplyPolicyRowStatus (1.3.6.1.4.1.25506.2.65.2.1.4.1.1.5) | read-create | Current | Only support active(1), createAndGo(4), and destroy(6). |

## hh3cCBQoSMatchRuleCfgInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.65.2.1.1.3

This table does not support to modify the variable of existing entry, only supports to create a new entry and destroy an existing entry.

When creating a new entry of this table:

1. Get the value of hh3cCBQosClassifierMatchRuleNextIndex from table hh3cCBQoSClassifierCfgInfoTable
2. Use the value as hh3cCBQoSMatchRuleIndex to create the new entry of this table.
3. If hh3cCBQoSMatchRuleIfNot is not bound when creating a new entry of this table, the value ‘match’ will be given by the system as default.
4. hh3cCBQoSMatchRuleType must be bound when creating a new entry of this table.
5. If the hh3cCBQoSMatchRuleType is matchRuleAny(1), matchRuleIPv4Protocol(4), matchRuleIPv6Protocol(5) , or matchRuleBittorrent(24) : hh3cCBQoSMatchRuleStringValue, hh3cCBQoSMatchRuleIntValue1 and hh3cCBQoSMatchRuleIntValue2 must not be bound.
6. If the hh3cCBQoSMatchRuleType is matchRuleIpv4Acl(2), matchRuleIPv6Acl(3), matchRuleIpPre(8), matchRuleVlan8021p(9), matchRuleMplsExp(10), matchRuleAtmClp(11), matchRuleFrDe(12), matchRuleQosLocalID(15), matchRuleLocalPrecedence(22), matchRuleDropPriority(23): hh3cCBQoSMatchRuleIntValue1 must be bound, hh3cCBQoSMatchRuleIntValue2 and hh3cCBQoSMatchRuleStringValue must not be bound.
7. If the hh3cCBQoSMatchRuleType is matchRuleDscp(7): only hh3cCBQoSMatchRuleIntValue1 and hh3cCBQoSMatchRuleIntValue2 can be bound, hh3cCBQoSMatchRuleStringValue must not be bound.
8. If the hh3cCBQoSMatchRuleType is matchRuleRtpPort(18), hh3cCBQoSMatchRuleIntValue1 and hh3cCBQoSMatchRuleIntValue2 must be bound together, hh3cCBQoSMatchRuleStringValue must not be bound.
9. If the hh3cCBQoSMatchRuleType is matchRuleSourceMac(13), matchRuleDestinationMac(14), matchRuleClassifier(16), matchRuleInboundInterface(17), matchRuleVlanID(20), matchRuleTopMostVlanID(21): hh3cCBQoSMatchRuleStringValue must be bound, hh3cCBQoSMatchRuleIntValue1 and hh3cCBQoSMatchRuleIntValue2 must not be bound.
10. The type matchRuleIPXProtocol(6) and matchRuleSourceIp(19) are not supported.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCBQoSMatchRuleIndex (1.3.6.1.4.1.25506.2.65.2.1.1.3.1.1) | not-accessible | No | As per MIB |
| hh3cCBQoSMatchRuleIfNot (1.3.6.1.4.1.25506.2.65.2.1.1.3.1.2) | read-create | Current | As per MIB |
| hh3cCBQoSMatchRuleType (1.3.6.1.4.1.25506.2.65.2.1.1.3.1.3) | read-create | Current | As per MIB |
| hh3cCBQoSMatchRuleStringValue (1.3.6.1.4.1.25506.2.65.2.1.1.3.1.4) | read-create | Current | As per MIB |
| hh3cCBQoSMatchRuleIntValue1 (1.3.6.1.4.1.25506.2.65.2.1.1.3.1.5) | read-create | Current | As per MIB |
| hh3cCBQoSMatchRuleIntValue2 (1.3.6.1.4.1.25506.2.65.2.1.1.3.1.6) | read-create | Current | As per MIB |
| hh3cCBQoSMatchIpAddressType (1.3.6.1.4.1.25506.2.65.2.1.1.3.1.7) | read-create | Current | Not supported  The value is always unknown(0). |
| hh3cCBQoSMatchIpAddress (1.3.6.1.4.1.25506.2.65.2.1.1.3.1.8) | read-create | Current | Not supported.  The value is always NULL. |
| hh3cCBQoSMatchRuleRowStatus (1.3.6.1.4.1.25506.2.65.2.1.1.3.1.9) | read-create | Current | Only support active(1), createAndGo(4), and destroy(6). |

## hh3cCBQoSNestCfgInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.65.2.1.2.18

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCBQoSNestServiceVlanID (1.3.6.1.4.1.25506.2.65.2.1.2.18.1.1) | read-create | Current | As per MIB |
| hh3cCBQoSNestServiceDot1pValue (1.3.6.1.4.1.25506.2.65.2.1.2.18.1.2) | read-create | Current | As per MIB |
| hh3cCBQoSNestCustomerVlanID (1.3.6.1.4.1.25506.2.65.2.1.2.18.1.3) | read-create | Current | Not supported |
| hh3cCBQoSNestCustomerDot1pValue (1.3.6.1.4.1.25506.2.65.2.1.2.18.1.4) | read-create | Current | Not supported |
| hh3cCBQoSNestRowStatus (1.3.6.1.4.1.25506.2.65.2.1.2.18.1.5) | read-create | Current | As per MIB |

## hh3cCBQoSPolicyCfgInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.65.2.1.3.2

This table does not support to modify the variable of existing entry, only supports to create a new entry and destroy an existing entry.

When creating a new entry of this table:

1. Get the value of hh3cCBQoSPolicyIndexNext
2. Use the value as hh3cCBQoSPolicyIndex to create the new entry of this table.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCBQoSPolicyIndex (1.3.6.1.4.1.25506.2.65.2.1.3.2.1.1) | not-accessible | No | As per MIB |
| hh3cCBQoSPolicyName (1.3.6.1.4.1.25506.2.65.2.1.3.2.1.2) | read-create | Current | As per MIB |
| hh3cCBQoSPolicyClassCount (1.3.6.1.4.1.25506.2.65.2.1.3.2.1.3) | read-only | Current | As per MIB |
| hh3cCBQoSPolicyConfigMode (1.3.6.1.4.1.25506.2.65.2.1.3.2.1.4) | read-create | Current | Not supported. The value is always unavailable(0). |
| hh3cCBQoSPolicyType (1.3.6.1.4.1.25506.2.65.2.1.3.2.1.5) | read-only | Current | As per MIB |
| hh3cCBQoSPolicyClassNextIndex (1.3.6.1.4.1.25506.2.65.2.1.3.2.1.6) | read-only | No | If the value of this object is 65535, it indicates that no instance can be created in hh3cCBQoSPolicyClassCfgInfoTable. |
| hh3cCBQoSPolicyRowStatus (1.3.6.1.4.1.25506.2.65.2.1.3.2.1.7) | read-create | Current | Only support active(1), createAndGo(4), and destroy(6). |

## hh3cCBQoSPolicyClassCfgInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.65.2.1.3.3

When creating a new entry of this table:

1. Get the value of hh3cCBQoSPolicyClassNextIndex from table hh3cCBQoSPolicyCfgInfoTable
2. Use the value as hh3cCBQoSPolicyClassIndex to create the new entry of this table.
3. The hh3cCBQoSPolicyClassClassifierIndex and hh3cCBQoSPolicyClassBehaviorIndex must be available, or the creating will fail.
4. Variables that must be bound when creating a new entry of this table include hh3cCBQoSPolicyClassClassifierIndex and hh3cCBQoSPolicyClassBehaviorIndex.
5. Only hh3cCBQoSPolicyClassBehaviorIndex can be modified after creation.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCBQoSPolicyClassIndex (1.3.6.1.4.1.25506.2.65.2.1.3.3.1.1) | not-accessible | No | As per MIB |
| hh3cCBQoSPolicyClassClassifierIndex (1.3.6.1.4.1.25506.2.65.2.1.3.3.1.2) | read-create | Current | As per MIB |
| hh3cCBQoSPolicyClassClassifierName (1.3.6.1.4.1.25506.2.65.2.1.3.3.1.3) | read-only | Current | As per MIB |
| hh3cCBQoSPolicyClassBehaviorIndex (1.3.6.1.4.1.25506.2.65.2.1.3.3.1.4) | read-create | Current | As per MIB |
| hh3cCBQoSPolicyClassBehaviorName (1.3.6.1.4.1.25506.2.65.2.1.3.3.1.5) | read-only | Current | As per MIB |
| hh3cCBQoSPolicyClassPrecedence (1.3.6.1.4.1.25506.2.65.2.1.3.3.1.6) | read-create | Current | Not supported. The value is always 2147483647. |
| hh3cCBQoSPolicyClassRowStatus (1.3.6.1.4.1.25506.2.65.2.1.3.3.1.7) | read-create | Current | Only support active(1), createAndGo(4), and destroy(6). |
| hh3cCBQoSPolicyClassMode (1.3.6.1.4.1.25506.2.65.2.1.3.3.1.8) | read-create | Current | As per MIB |
| hh3cCBQoSPolicyClassCfgOrder (1.3.6.1.4.1.25506.2.65.2.1.3.3.1.9) | read-only | Current | Not supported |

## hh3cCBQoSRemarkCfgInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.65.2.1.2.6

This table does not support to modify the variable of existing entry, only supports to create a new entry and destroy an existing entry.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCBQoSRemarkType (1.3.6.1.4.1.25506.2.65.2.1.2.6.1.1) | not-accessible | Current | Only support typeIpPrecedence(1), typeDscp(2), typeVlan8021p(4), typeVlanID(7), typeDropPrecedence(9), typeLocalPrecedence(10), typeTopMostVlanID(11). |
| hh3cCBQoSRemarkValue (1.3.6.1.4.1.25506.2.65.2.1.2.6.1.2) | read-create | Current | As per MIB |
| hh3cCBQoSRemarkRowStatus (1.3.6.1.4.1.25506.2.65.2.1.2.6.1.3) | read-create | Current | Only support active(1), createAndGo(4), and destroy(6). |

## hh3cCBQoSVlanApplyPolicyTable

OID of this table is :1.3.6.1.4.1.25506.2.65.2.1.4.3

This table does not support to modify the variable of existing entry, only supports to create a new entry and destroy an existing entry.

hh3cCBQoSVlanApplyPolicyName must be bound when creating a new entry of this table.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCBQoSVlanApplyPolicyVlanid (1.3.6.1.4.1.25506.2.65.2.1.4.3.1.1) | not-accessible | Current | As per MIB |
| hh3cCBQoSVlanApplyPolicyDirection (1.3.6.1.4.1.25506.2.65.2.1.4.3.1.2) | not-accessible | Current | As per MIB |
| hh3cCBQoSVlanApplyPolicyName (1.3.6.1.4.1.25506.2.65.2.1.4.3.1.3) | read-create | Current | As per MIB |
| hh3cCBQoSVlanApplyPriority (1.3.6.1.4.1.25506.2.65.2.1.4.3.1.4) | read-create | Current | Not supported. The value is always 0. |
| hh3cCBQoSVlanApplyPolicyRowStatus (1.3.6.1.4.1.25506.2.65.2.1.4.3.1.5) | read-create | Current | Only support active(1), createAndGo(4), and destroy(6). |

# HH3C-CONFIG-MAN-MIB

A configuration management MIB, includes configuration log management and Backup & Restore operation of configuration.

All the configuration change events can be managed by the log management MIB. The configuration may be changed by CLI, SNMP or other ways defined as the MIB.

Backup & Restore MIB group provides the configuration backup and restore among flash, memory and network.

Note: Writing flash can be done by Backup(save) as described in figure below.

It is recommended that **hh3cWriteConfig** is replaced by this MIB.

Restore

Restore(ftp/tftp)

Backup(ftp/tftp)

Backup(save)

Backup(ftp/tftp)

Restore(ftp/tftp)

## Scalar objects of hh3cCfgLog group

OID of this table is :1.3.6.1.4.1.25506.2.4.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCfgRunModifiedLast (1.3.6.1.4.1.25506.2.4.1.1.1) | read-only | No | System checks the current configuration every 10 minutes. If system detects the current configuration has been changed, the value will be updated. Executing SNMP SET operation, the value will also be updated. |
| hh3cCfgRunSavedLast (1.3.6.1.4.1.25506.2.4.1.1.2) | read-only | No | As per MIB |
| hh3cCfgStartModifiedLast (1.3.6.1.4.1.25506.2.4.1.1.3) | read-only | No | As per MIB |
| hh3cCfgLogLimitedEntries (1.3.6.1.4.1.25506.2.4.1.1.4) | read-only | No | As per MIB |
| hh3cCfgLogDeletedEntries (1.3.6.1.4.1.25506.2.4.1.1.5) | read-only | No | As per MIB |
| hh3cCfgLogWantBackup (1.3.6.1.4.1.25506.2.4.1.1.6) | read-write | No | Available for distributed systems. Always false value for a centralized system. |

## hh3cCfgLogTable

OID of this table is :1.3.6.1.4.1.25506.2.4.1.1.7

All the events of configuration change triggered by SNMP agent will be recorded in the table. But only four command-line events can be recorded, these events include saving current configuration, resetting saved-configuration, renaming current startup configuration file and overwriting current startup configuration file by copy command.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCfgLogIndex (1.3.6.1.4.1.25506.2.4.1.1.7.1.1) | not-accessible | No | As per MIB |
| hh3cCfgLogTime (1.3.6.1.4.1.25506.2.4.1.1.7.1.2) | read-only | No | As per MIB |
| hh3cCfgLogSrcCmd (1.3.6.1.4.1.25506.2.4.1.1.7.1.3) | read-only | No | As per MIB |
| hh3cCfgLogSrcData (1.3.6.1.4.1.25506.2.4.1.1.7.1.4) | read-only | No | As per MIB |
| hh3cCfgLogDesData (1.3.6.1.4.1.25506.2.4.1.1.7.1.5) | read-only | No | As per MIB |
| hh3cCfgLogTerminalType (1.3.6.1.4.1.25506.2.4.1.1.7.1.6) | read-only | No | As per MIB |
| hh3cCfgLogTerminalUser (1.3.6.1.4.1.25506.2.4.1.1.7.1.7) | read-only | No | In version 1 and version2, When users modify configuration through SNMP agent, the value of this instance is the name of the write community, while in version 3 the value is the user's name.  A snmp operation produce two piece of log, the value of this instance in the second log is a zero length string. |
| hh3cCfgLogTerminalNum (1.3.6.1.4.1.25506.2.4.1.1.7.1.8) | read-only | No | As per MIB |
| hh3cCfgLogTerminalLocation (1.3.6.1.4.1.25506.2.4.1.1.7.1.9) | read-only | No | As per MIB |
| hh3cCfgLogCmdSrcAddress (1.3.6.1.4.1.25506.2.4.1.1.7.1.10) | read-only | No | A snmp operation produce two piece of log, the value of this instance in the second log is 0.0.0.0 when hh3cCfgLogSrcData and hh3cCfgLogDesData haven’t the value of “netFtp”. |
| hh3cCfgLogVirHost (1.3.6.1.4.1.25506.2.4.1.1.7.1.11) | read-only | No | A zero length string. |
| hh3cCfgLogUserName (1.3.6.1.4.1.25506.2.4.1.1.7.1.12) | read-only | No | When the value of hh3cCfgLogSrcCmd is “cmdLine”, the value of this instance is a zero length string. |
| hh3cCfgLogServerAddress (1.3.6.1.4.1.25506.2.4.1.1.7.1.13) | read-only | No | A snmp operation produce two piece of log, the value of this instance in the first log is always 0.0.0.0, and this instance in the second log is 0.0.0.0 when hh3cCfgLogSrcData and hh3cCfgLogDesData haven’t the value of “netFtp”. |
| hh3cCfgLogFile (1.3.6.1.4.1.25506.2.4.1.1.7.1.14) | read-only | No | As per MIB |
| hh3cCfgLogCmdSrcAddrType  (1.3.6.1.4.1.25506.2.4.1.1.7.1.15) | read-only | No | As per MIB |
| hh3cCfgLogCmdSrcAddrRev  (1.3.6.1.4.1.25506.2.4.1.1.7.1.16) | read-only | No | As per MIB |
| hh3cCfgLogServerAddrType  (1.3.6.1.4.1.25506.2.4.1.1.7.1.17) | read-only | No | As per MIB |
| hh3cCfgLogServerAddrRev  (1.3.6.1.4.1.25506.2.4.1.1.7.1.18) | read-only | No | As per MIB |
| hh3cCfgLogServerAddrVPNName  (1.3.6.1.4.1.25506.2.4.1.1.7.1.19) | read-only | No | As per MIB |

## Scalar objects of hh3cCfgOperate group

OID of this table is :1.3.6.1.4.1.25506.2.4.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCfgOperateGlobalEntryLimit (1.3.6.1.4.1.25506.2.4.1.2.1) | read-only | No | As per MIB |
| hh3cCfgOperateEntryAgeOutTime (1.3.6.1.4.1.25506.2.4.1.2.2) | read-write | No | As per MIB |
| hh3cCfgOperateResultGlobalEntryLimit (1.3.6.1.4.1.25506.2.4.1.2.3) | read-write | No | As per MIB |

## hh3cCfgOperateTable

OID of this table is :1.3.6.1.4.1.25506.2.4.1.2.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCfgOperateIndex (1.3.6.1.4.1.25506.2.4.1.2.4.1.1) | not-accessible | No | This index can be randomly selected from 1 to 2147483647. If hh3cCfgOperateIndex is between 0x10000 and 0x1FFFF, it means the operation is for all slots in the distributed device. |
| hh3cCfgOperateType (1.3.6.1.4.1.25506.2.4.1.2.4.1.2) | read-create | No | As per MIB |
| hh3cCfgOperateProtocol (1.3.6.1.4.1.25506.2.4.1.2.4.1.3) | read-create | No | The value clusterftp(3) and clustertftp(4) are not supported. |
| hh3cCfgOperateFileName (1.3.6.1.4.1.25506.2.4.1.2.4.1.4) | read-create | No | The maximum length of the full file name (including path and file name) is 116. In addition, the length of file name is no more than 52, and the length of string which describes path is no more than 64. |
| hh3cCfgOperateServerAddress (1.3.6.1.4.1.25506.2.4.1.2.4.1.5) | read-create | No | As per MIB |
| hh3cCfgOperateUserName (1.3.6.1.4.1.25506.2.4.1.2.4.1.6) | read-create | No | When the operation type is running2Net, net2Running, net2Startup or startup2net, the user name for the ftp server from/to which to download/upload should be specified. The object must be created if hh3cCfgOperateProtocol has the value of ftp.  The length of name is no more than 32 characters |
| hh3cCfgOperateUserPassword (1.3.6.1.4.1.25506.2.4.1.2.4.1.7) | read-create | No | When the operation type is running2Net, net2Running, net2Startup or startup2net, the user password for the ftp server from/to which to download/upload should be specified. The object must be created if hh3cCfgOperateProtocol has the value of ftp.  The length of password is no more than 16 characters. |
| hh3cCfgOperateEndNotificationSwitch (1.3.6.1.4.1.25506.2.4.1.2.4.1.8) | read-create | No | As per MIB |
| hh3cCfgOperateRowStatus (1.3.6.1.4.1.25506.2.4.1.2.4.1.9) | read-create | No | The status of this table entry. When the status is active all the object's value in the entry is not allowed to modify.  The config-operation requests which are in progress are not allowed to destroy. |
| hh3cCfgOperateServerPort (1.3.6.1.4.1.25506.2.4.1.2.4.1.10) | read-create | No | When the operation type is running2Net, net2Running, net2Startup or startup2Net, this node is used for specifying the remote port number. If the value is 0 or not specified, the known port number will be used.  Only support FTP protocol. |
| hh3cCfgOperateSrvAddrType  (1.3.6.1.4.1.25506.2.4.1.2.4.1.11) | read-create | No | As per MIB |
| hh3cCfgOperateSrvAddrRev  (1.3.6.1.4.1.25506.2.4.1.2.4.1.12) | read-create | No | As per MIB |
| hh3cCfgOperateSrvVPNName  (1.3.6.1.4.1.25506.2.4.1.2.4.1.13) | read-create | No | As per MIB |

## hh3cCfgOperateResultTable

OID of this table is :1.3.6.1.4.1.25506.2.4.1.2.5

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCfgOperateResultIndex (1.3.6.1.4.1.25506.2.4.1.2.5.1.1) | not-accessible | No | As per MIB |
| hh3cCfgOperateResultOptIndex (1.3.6.1.4.1.25506.2.4.1.2.5.1.2) | read-only | No | As per MIB |
| hh3cCfgOperateResultOpType (1.3.6.1.4.1.25506.2.4.1.2.5.1.3) | read-only | No | As per MIB |
| hh3cCfgOperateState (1.3.6.1.4.1.25506.2.4.1.2.5.1.4) | read-only | No | The signification of opFileOpenError(13) is:  invalid file name;file not found in partition; access violation |
| hh3cCfgOperateTime (1.3.6.1.4.1.25506.2.4.1.2.5.1.5) | read-only | No | As per MIB |
| hh3cCfgOperateEndTime (1.3.6.1.4.1.25506.2.4.1.2.5.1.6) | read-only | No | As per MIB |

The following values of hh3cCfgOperateState are implemented for "netFtp" operation with ftp protocol:

- 1: opInProgress(1)

- 2: opSuccess(2)

- 3: opInvalidOperation(3)

- 4: opInvalidProtocol

- 5: opInvalidSourceName

- 7: opInvalidServerAddress(7)

- 8: opDeviceBusy

- 10: opDeviceError(10)

- 12: opDeviceFull(12)

- 13: opFileOpenError(13)

- 14: opFileTransferError(14)

- 16: opNoMemory(16)

- 17: opAuthFail(17)

- 19: opUnknownFailure(19)

The following values of hh3cCfgOperateState are implemented for "netFtp" operation with tftp protocol:

- 1: opInProgress(1)

- 2: opSuccess(2)

- 3: opInvalidOperation(3)

- 4: opInvalidProtocol

- 7: opInvalidServerAddress(7)

- 8: opDeviceBusy

- 10: opDeviceError(10)

- 12: opDeviceFull(12)

- 13: opFileOpenError(13)

- 14: opFileTransferError(14)

- 16: opNoMemory(16)

- 19: opUnknownFailure(19)

The following values of hh3cCfgOperateState are implemented for "running2Startup" and "startup2Running" operation:

- 1: opInProgress(1)

- 2: opSuccess(2)

- 10: opDeviceError(10)

## Scalar objects of hh3cCfgExecuteOperate group

OID of this table is :1.3.6.1.4.1.25506.2.4.1.2.6

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCfgExecuteOperateResultEntryLimit (1.3.6.1.4.1.25506.2.4.1.2.6.1) | read-write | Current | As per MIB |

## hh3cCfgExecuteResultTable

OID of this table is :1.3.6.1.4.1.25506.2.4.1.2.6.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cCfgExecuteResultIndex (1.3.6.1.4.1.25506.2.4.1.2.6.2.1.1) | not-accessible | Current | As per MIB |
| hh3cCfgExecuteResultOptIndex (1.3.6.1.4.1.25506.2.4.1.2.6.2.1.2) | read-only | Current | As per MIB |
| hh3cCfgExecuteResultOpType (1.3.6.1.4.1.25506.2.4.1.2.6.2.1.3) | read-only | Current | As per MIB |
| hh3cCfgExecuteState (1.3.6.1.4.1.25506.2.4.1.2.6.2.1.4) | read-only | Current | As per MIB |
| hh3cCfgExecuteTime (1.3.6.1.4.1.25506.2.4.1.2.6.2.1.5) | read-only | Current | As per MIB |
| hh3cCfgExecuteEndTime (1.3.6.1.4.1.25506.2.4.1.2.6.2.1.6) | read-only | Current | As per MIB |

# HH3C-DOMAIN-MIB

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDomainDefault (1.3.6.1.4.1.25506.2.46.1.1) | read-write | Current | As per MIB |

## hh3cDomainInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.46.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDomainName (1.3.6.1.4.1.25506.2.46.2.1.1.1) | not-accessible | No | As per MIB |
| hh3cDomainState (1.3.6.1.4.1.25506.2.46.2.1.1.2) | read-create | Current | As per MIB |
| hh3cDomainMaxAccessNum (1.3.6.1.4.1.25506.2.46.2.1.1.3) | read-create | Current | Range from 0 to 2147483646, If the value is set to 0, the access limit will be disabled |
| hh3cDomainVlanAssignMode (1.3.6.1.4.1.25506.2.46.2.1.1.4) | read-create | Current | Not supported |
| hh3cDomainIdleCutEnable (1.3.6.1.4.1.25506.2.46.2.1.1.5) | read-create | Current | As per MIB |
| hh3cDomainIdleCutMaxTime (1.3.6.1.4.1.25506.2.46.2.1.1.6) | read-create | Current | As per MIB |
| hh3cDomainIdleCutMinFlow (1.3.6.1.4.1.25506.2.46.2.1.1.7) | read-create | Current | Not supported |
| hh3cDomainMessengerEnable (1.3.6.1.4.1.25506.2.46.2.1.1.8) | read-create | Current | Not supported |
| hh3cDomainMessengerLimitTime (1.3.6.1.4.1.25506.2.46.2.1.1.9) | read-create | Current | Not supported |
| hh3cDomainMessengerSpanTime (1.3.6.1.4.1.25506.2.46.2.1.1.10) | read-create | Current | Not supported |
| hh3cDomainSelfServiceEnable (1.3.6.1.4.1.25506.2.46.2.1.1.11) | read-create | Current | As per MIB |
| hh3cDomainSelfServiceURL (1.3.6.1.4.1.25506.2.46.2.1.1.12) | read-create | Current | Must begin with http:// |
| hh3cDomainAccFailureAction (1.3.6.1.4.1.25506.2.46.2.1.1.13) | read-create | Current | As per MIB |
| hh3cDomainRowStatus (1.3.6.1.4.1.25506.2.46.2.1.1.14) | read-create | Current | As per MIB |
| hh3cDomainCurrentAccessNum (1.3.6.1.4.1.25506.2.46.2.1.1.15) | read-only | Current | As per MIB |

## hh3cDomainSchemeTable

OID of this table is :1.3.6.1.4.1.25506.2.46.2.2

1. when a domain was created, the agent will create a row for accounting, a row for authentication, a row for authorization with the value of hh3cDomainSchemeMode be ‘local’.
2. when change a row, the following objects must be specified.

hh3cDomainSchemeMode

hh3cDomainSchemeAAAType

hh3cDomainSchemeAAAName

hh3cDomainSchemeAccessMode

1. when create a new row, the following object must be specified,

hh3cDomainSchemeMode

hh3cDomainSchemeRowStatus

hh3cDomainSchemeAAAType

hh3cDomainSchemeAAAName

hh3cDomainSchemeAccessMode

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDomainSchemeIndex (1.3.6.1.4.1.25506.2.46.2.2.1.1) | not-accessible | No | As per MIB |
| hh3cDomainSchemeMode (1.3.6.1.4.1.25506.2.46.2.2.1.2) | read-create | Current | As per MIB |
| hh3cDomainAuthSchemeName (1.3.6.1.4.1.25506.2.46.2.2.1.3) | read-create | Current | Not supported and the value will be ignored |
| hh3cDomainAcctSchemeName (1.3.6.1.4.1.25506.2.46.2.2.1.4) | read-create | Current | Not supported and the value will be ignored |
| hh3cDomainSchemeRowStatus (1.3.6.1.4.1.25506.2.46.2.2.1.5) | read-create | Current | As per MIB |
| hh3cDomainSchemeAAAType (1.3.6.1.4.1.25506.2.46.2.2.1.6) | read-create | Current | As per MIB |
| hh3cDomainSchemeAAAName (1.3.6.1.4.1.25506.2.46.2.2.1.7) | read-create | Current | If hh3cDomainSchemeMode is radius or tacacs then the value of hh3cDomainSchemeAAAName must be valid scheme name, if the hh3cDomainSchemeMode is none or local, the value of hh3cDomainSchemeAAAName will be a null string. |
| hh3cDomainSchemeAccessMode (1.3.6.1.4.1.25506.2.46.2.2.1.8) | read-create | Current | Only support ‘default’ |

# HH3C-FLASH-MAN-MIB

This MIB supplies the information for the management of flash devices.

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cFlhSupportNum (1.3.6.1.4.1.25506.2.5.1.1.1) | read-only | No | As per MIB |

## hh3cFlashTable

OID of this table is :1.3.6.1.4.1.25506.2.5.1.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cFlhIndex (1.3.6.1.4.1.25506.2.5.1.1.2.1.1) | read-only | No | As per MIB |
| hh3cFlhSize (1.3.6.1.4.1.25506.2.5.1.1.2.1.2) | read-only | No | As per MIB |
| hh3cFlhPos (1.3.6.1.4.1.25506.2.5.1.1.2.1.3) | read-only | No | Not supported |
| hh3cFlhName (1.3.6.1.4.1.25506.2.5.1.1.2.1.4) | read-only | No | The name for flash |
| hh3cFlhChipNum (1.3.6.1.4.1.25506.2.5.1.1.2.1.5) | read-only | No | As per MIB |
| hh3cFlhDescr (1.3.6.1.4.1.25506.2.5.1.1.2.1.6) | read-only | No | As per MIB |
| hh3cFlhInitTime (1.3.6.1.4.1.25506.2.5.1.1.2.1.8) | read-only | No | As per MIB |
| hh3cFlhRemovable (1.3.6.1.4.1.25506.2.5.1.1.2.1.9) | read-only | No | As per MIB |
| hh3cFlhPartitionBool (1.3.6.1.4.1.25506.2.5.1.1.2.1.11) | read-write | No | The value is always false, not support set operation. |
| hh3cFlhMinPartitionSize (1.3.6.1.4.1.25506.2.5.1.1.2.1.12) | read-only | No | As per MIB |
| hh3cFlhMaxPartitions (1.3.6.1.4.1.25506.2.5.1.1.2.1.13) | read-only | No | As per MIB |
| hh3cFlhPartitionNum (1.3.6.1.4.1.25506.2.5.1.1.2.1.14) | read-only | No | As per MIB |

## hh3cFlhChipTable

OID of this table is :1.3.6.1.4.1.25506.2.5.1.1.3.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cFlhChipSerialNo (1.3.6.1.4.1.25506.2.5.1.1.3.1.1.1) | not-accessible | No | As per MIB |
| hh3cFlhChipID (1.3.6.1.4.1.25506.2.5.1.1.3.1.1.2) | read-only | No | Not supported |
| hh3cFlhChipDescr (1.3.6.1.4.1.25506.2.5.1.1.3.1.1.3) | read-only | No | Not supported |
| hh3cFlhChipWriteTimesLimit (1.3.6.1.4.1.25506.2.5.1.1.3.1.1.4) | read-only | No | As per MIB |
| hh3cFlhChipWriteTimes (1.3.6.1.4.1.25506.2.5.1.1.3.1.1.5) | read-only | No | Not supported |
| hh3cFlhChipEraseTimesLimit (1.3.6.1.4.1.25506.2.5.1.1.3.1.1.6) | read-only | No | As per MIB |
| hh3cFlhChipEraseTimes (1.3.6.1.4.1.25506.2.5.1.1.3.1.1.7) | read-only | No | As per MIB |

## hh3cFlhPartitionTable

OID of this table is :1.3.6.1.4.1.25506.2.5.1.1.4.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cFlhPartIndex (1.3.6.1.4.1.25506.2.5.1.1.4.1.1.1) | not-accessible | No | As per MIB |
| hh3cFlhPartFirstChip (1.3.6.1.4.1.25506.2.5.1.1.4.1.1.2) | read-only | No | As per MIB |
| hh3cFlhPartLastChip (1.3.6.1.4.1.25506.2.5.1.1.4.1.1.3) | read-only | No | As per MIB |
| hh3cFlhPartSpace (1.3.6.1.4.1.25506.2.5.1.1.4.1.1.4) | read-only | No | As per MIB |
| hh3cFlhPartSpaceFree (1.3.6.1.4.1.25506.2.5.1.1.4.1.1.5) | read-only | No | As per MIB |
| hh3cFlhPartFileNum (1.3.6.1.4.1.25506.2.5.1.1.4.1.1.6) | read-only | No | As per MIB |
| hh3cFlhPartChecksumMethod (1.3.6.1.4.1.25506.2.5.1.1.4.1.1.7) | read-only | No | As per MIB |
| hh3cFlhPartStatus (1.3.6.1.4.1.25506.2.5.1.1.4.1.1.8) | read-only | No | As per MIB |
| hh3cFlhPartUpgradeMode (1.3.6.1.4.1.25506.2.5.1.1.4.1.1.9) | read-only | No | As per MIB |
| hh3cFlhPartName (1.3.6.1.4.1.25506.2.5.1.1.4.1.1.10) | read-only | No | As per MIB |
| hh3cFlhPartRequireErase (1.3.6.1.4.1.25506.2.5.1.1.4.1.1.11) | read-only | No | As per MIB |
| hh3cFlhPartFileNameLen (1.3.6.1.4.1.25506.2.5.1.1.4.1.1.12) | read-only | No | As per MIB |

## hh3cFlhFileTable

OID of this table is :1.3.6.1.4.1.25506.2.5.1.1.4.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cFlhFileIndex (1.3.6.1.4.1.25506.2.5.1.1.4.2.1.1.1) | not-accessible | No | As per MIB |
| hh3cFlhFileName (1.3.6.1.4.1.25506.2.5.1.1.4.2.1.1.2) | read-only | No | As per MIB |
| hh3cFlhFileSize (1.3.6.1.4.1.25506.2.5.1.1.4.2.1.1.3) | read-only | No | As per MIB |
| hh3cFlhFileStatus (1.3.6.1.4.1.25506.2.5.1.1.4.2.1.1.4) | read-only | No | As per MIB |
| hh3cFlhFileChecksum (1.3.6.1.4.1.25506.2.5.1.1.4.2.1.1.5) | read-only | No | Not supported |

## hh3cFlhOpTable

OID of this table is :1.3.6.1.4.1.25506.2.5.1.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cFlhOperIndex (1.3.6.1.4.1.25506.2.5.1.2.1.1.1) | not-accessible | No | As per MIB |
| hh3cFlhOperType (1.3.6.1.4.1.25506.2.5.1.2.1.1.2) | read-create | No | For the tftp protocol, rename is not support. |
| hh3cFlhOperProtocol (1.3.6.1.4.1.25506.2.5.1.2.1.1.3) | read-create | No | Only support ftp, tftp |
| hh3cFlhOperServerAddress (1.3.6.1.4.1.25506.2.5.1.2.1.1.4) | read-create | No | As per MIB |
| hh3cFlhOperServerUser (1.3.6.1.4.1.25506.2.5.1.2.1.1.5) | read-create | No | As per MIB |
| hh3cFlhOperPassword (1.3.6.1.4.1.25506.2.5.1.2.1.1.6) | read-create | No | As per MIB |
| hh3cFlhOperSourceFile (1.3.6.1.4.1.25506.2.5.1.2.1.1.7) | read-create | No | The string of source file name is no more than 91 characters. |
| hh3cFlhOperDestinationFile (1.3.6.1.4.1.25506.2.5.1.2.1.1.8) | read-create | No | The string of destination file name is no more than 91 characters. |
| hh3cFlhOperStatus (1.3.6.1.4.1.25506.2.5.1.2.1.1.9) | read-only | No | As per MIB |
| hh3cFlhOperEndNotification (1.3.6.1.4.1.25506.2.5.1.2.1.1.10) | read-create | No | As per MIB |
| hh3cFlhOperProgress (1.3.6.1.4.1.25506.2.5.1.2.1.1.11) | read-only | No | As per MIB |
| hh3cFlhOperRowStatus (1.3.6.1.4.1.25506.2.5.1.2.1.1.12) | read-create | No | Only support active, createAndGo, destroy |

When ftp protocol is used to transmit file, the values for hh3cFlhOperServerUser and hh3cFlhOperPassword must be specified.

The following values of Hh3cFlashOperationStatus are implemented for tftp protocol:

1: opInProgress(1)

2: opSuccess(2)

5: opInvalidSourceName(5)

10: opDeviceError(10)

12: opDeviceFull(12)

13: opFileOpenError(13)

14: opFileTransferError(14)

16: opNoMemory(16)

19: opUnknownFailure(19)

The following values of Hh3cFlashOperationStatus are implemented for ftp protocol:

1: opInProgress(1)

2: opSuccess(2)

3: opInvalidOperation(3)

5: opInvalidSourceName(5)

6: opInvalidDestName(6)

7: opInvalidServerAddress(7)

10: opDeviceError(10)

12: opDeviceFull(12)

13: opFileOpenError(13)

14: opFileTransferError(14)

16: opNoMemory(16)

17: opAuthFail(17)

19: opUnknownFailure(19)

The following values of Hh3cFlashOperationStatus are implemented for deleting operation:

1: opInProgress(1)

2: opSuccess(2)

5: opInvalidSourceName(5)

20:opDeleteFileOpenError(20),

21:opDeleteInvalidDevice(21),

22:opDeleteInvalidFunction(22),

23:opDeleteOperationError(23),

24:opDeleteInvalidFileName(24),

25:opDeleteDeviceBusy(25),

26:opDeleteParaError(26),

27:opDeleteInvalidPath(27)

# HH3C-SYS-MAN-MIB

## Scalar objects

Note: The values of these two objects are restricted by each other. The rule will be identical with CLI. If the values of these two objects are all set to zero together, that means the user want to abolish summer time, and all the value in this group will be initialization.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cSysLocalClock (1.3.6.1.4.1.25506.2.3.1.1.1) | read-only | No | As per MIB |
| hh3cSysReloadSchedule (1.3.6.1.4.1.25506.2.3.1.3.1) | read-write | No | In a reload action, if the object indicates the master board in a distributed system, the whole chassis will be reloaded. And when it is in the IRF, the whole stack will be reloaded. |
| hh3cSysReloadAction (1.3.6.1.4.1.25506.2.3.1.3.2) | read-write | No | As per MIB |
| hh3cSysReloadTag (1.3.6.1.4.1.25506.2.3.1.3.4) | read-write | No | As per MIB |
| hh3cSysImageNum (1.3.6.1.4.1.25506.2.3.1.4.1) | read-only | Current | As per MIB |
| hh3cSysCFGFileNum (1.3.6.1.4.1.25506.2.3.1.5.1) | read-only | Current | As per MIB |
| hh3cSysBtmLoadMaxNumber (1.3.6.1.4.1.25506.2.3.1.6.1.1) | read-only | Yes | As per MIB |
| hh3cSysSummerTimeEnable (1.3.6.1.4.1.25506.2.3.1.1.2.1) | read-only | Yes | As per MIB |
| hh3cSysSummerTimeZone (1.3.6.1.4.1.25506.2.3.1.1.2.2) | read-write | Yes | As per MIB |
| hh3cSysSummerTimeMethod (1.3.6.1.4.1.25506.2.3.1.1.2.3) | read-write | Yes | As per MIB |
| hh3cSysSummerTimeStart (1.3.6.1.4.1.25506.2.3.1.1.2.4) | read-write | Yes | As per MIB |
| hh3cSysSummerTimeEnd (1.3.6.1.4.1.25506.2.3.1.1.2.5) | read-write | Yes | As per MIB |
| hh3cSysSummerTimeOffset (1.3.6.1.4.1.25506.2.3.1.1.2.6) | read-write | Yes | As per MIB |

## hh3cSysCurTable

OID of this table is :1.3.6.1.4.1.25506.2.3.1.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cSysCurEntPhysicalIndex (1.3.6.1.4.1.25506.2.3.1.2.1.1.1) | not-accessible | No | As per MIB |
| hh3cSysCurCFGFileIndex (1.3.6.1.4.1.25506.2.3.1.2.1.1.2) | read-only | Current | As per MIB |
| hh3cSysCurImageIndex (1.3.6.1.4.1.25506.2.3.1.2.1.1.3) | read-only | Current | As per MIB |
| hh3cSysCurBtmFileName (1.3.6.1.4.1.25506.2.3.1.2.1.1.4) | read-only | No | Not supported |
| hh3cSysCurUpdateBtmFileName (1.3.6.1.4.1.25506.2.3.1.2.1.1.5) | read-only | No | Not supported |

## hh3cSysReloadScheduleTable

OID of this table is :1.3.6.1.4.1.25506.2.3.1.3.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cSysReloadScheduleIndex (1.3.6.1.4.1.25506.2.3.1.3.3.1.1) | not-accessible | No | As per MIB |
| hh3cSysReloadEntity (1.3.6.1.4.1.25506.2.3.1.3.3.1.2) | read-create | No | As per MIB |
| hh3cSysReloadCfgFile (1.3.6.1.4.1.25506.2.3.1.3.3.1.3) | read-create | No | The zero value means no configuration file has been set for this entry, and no configuration file is used during system reloading. In fact, which configuration file will be used during system reloading also depends on the configuration file manage module. |
| hh3cSysReloadImage (1.3.6.1.4.1.25506.2.3.1.3.3.1.4) | read-create | No | As per MIB |
| hh3cSysReloadReason (1.3.6.1.4.1.25506.2.3.1.3.3.1.5) | read-create | No | As per MIB |
| hh3cSysReloadScheduleTime (1.3.6.1.4.1.25506.2.3.1.3.3.1.6) | read-create | No | As per MIB |
| hh3cSysReloadRowStatus (1.3.6.1.4.1.25506.2.3.1.3.3.1.7) | read-create | No | As per MIB |
| hh3cSysReloadScheduleTagList (1.3.6.1.4.1.25506.2.3.1.3.3.1.8) | read-create | No | If the value of hh3cSysReloadSchedule is not 0, the hh3cSysReloadScheduleTagList will be ignored. |

## hh3cSysImageTable

OID of this table is :1.3.6.1.4.1.25506.2.3.1.4.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cSysImageIndex (1.3.6.1.4.1.25506.2.3.1.4.2.1.1) | not-accessible | No | As per MIB |
| hh3cSysImageName (1.3.6.1.4.1.25506.2.3.1.4.2.1.2) | read-only | Yes | As per MIB |
| hh3cSysImageSize (1.3.6.1.4.1.25506.2.3.1.4.2.1.3) | read-only | Yes | As per MIB |
| hh3cSysImageLocation (1.3.6.1.4.1.25506.2.3.1.4.2.1.4) | read-only | Yes | As per MIB |
| hh3cSysImageType (1.3.6.1.4.1.25506.2.3.1.4.2.1.5) | read-write | Yes | Only support ‘main’, ’backup’, and ‘none’. It is forbidden to set 'backup' attribute to the 'main' image directly. The 'main' image file must be set 'none' by setting another new 'main' image, then it can be set to 'backup' attribute. |

## hh3cSysCFGFileTable

OID of this table is :1.3.6.1.4.1.25506.2.3.1.5.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cSysCFGFileIndex (1.3.6.1.4.1.25506.2.3.1.5.2.1.1) | not-accessible | No | As per MIB |
| hh3cSysCFGFileName (1.3.6.1.4.1.25506.2.3.1.5.2.1.2) | read-only | Yes | As per MIB |
| hh3cSysCFGFileSize (1.3.6.1.4.1.25506.2.3.1.5.2.1.3) | read-only | Yes | As per MIB |
| hh3cSysCFGFileLocation (1.3.6.1.4.1.25506.2.3.1.5.2.1.4) | read-only | Yes | As per MIB |

## hh3cSysBtmLoadTable

OID of this table is :1.3.6.1.4.1.25506.2.3.1.6.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cSysBtmLoadIndex (1.3.6.1.4.1.25506.2.3.1.6.2.1.1) | not-accessible | No | As per MIB |
| hh3cSysBtmFileName (1.3.6.1.4.1.25506.2.3.1.6.2.1.2) | read-create | No | As per MIB |
| hh3cSysBtmFileType (1.3.6.1.4.1.25506.2.3.1.6.2.1.3) | read-create | No | As per MIB |
| hh3cSysBtmRowStatus (1.3.6.1.4.1.25506.2.3.1.6.2.1.4) | read-create | No | As per MIB |
| hh3cSysBtmErrorStatus (1.3.6.1.4.1.25506.2.3.1.6.2.1.5) | read-only | No | As per MIB |
| hh3cSysBtmLoadTime (1.3.6.1.4.1.25506.2.3.1.6.2.1.6) | read-only | No | As per MIB |

* Terms

(The terms listed below are just used in the range of this section.)

BootRom: a special program which is used to boot the system on system startup.

BOOT ROM: a specific zone in system in which a BootRom is stored.

Bootrom file: a file which exists in file system. The content of such file is BootRom.

* Function

The responsibility of this table is to update BootRom from a BootRom file in file system to BOOT ROM.

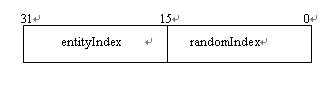
It assumes that the source Bootrom file already exists in the file system of the device before doing operation. On system startup, this table is empty.

* Notes

1) Be careful that the operation on BOOT ROM updating is risky. Other operations may halt during updating BOOT ROM. Such operation may take a long time as well.

2) The value of hh3cSysCurUpdateBtmFileName will not be updated until updating operation completed.

3) The value of hh3cSysBtmLoadIndex is divided into two parts as follows:



The entityIndex is the same as entPhysicalIndex as defined in the entPhysicalTable, and must be the entPhysicalIndex of the entity whose entPhysicalClass is ‘module‘. The randomIndex is determined by users. Algorithm of hh3cSysBtmLoadIndex:

hh3cSysBtmLoadIndex = (entityIndex << 16) | randomIndex

4) It is strongly recommended that the name of a Bootrom file ends with valid filename extention, but this table will not check the filename. The verification of validity of a Bootrom file will be performed after the hh3cSysBtmRowStatus of this instance turns into ‘active’.

5) If hh3cSysBtmFileName of the instance includes a path, that path must refer to the same device identified by ‘entityIndex’ part of hh3cSysBtmLoadIndex of the instance. If hh3cSysBtmFileName includes just a filename without a path, the root directory will be used internally.

6) At present, hh3cSysBtmFileType must be set to ‘main’.

7) All necessary objects, which are hh3cSysBtmFileName and hh3cSysBtmFileType, should be provided with hh3cSysBtmRowStatus simultaneously in creation.

8) hh3cSysBtmErrorStatus can be used to get current progress or result of the updating operation. At any time, there is only one instance of which the hh3cSysBtmErrorStatus is ‘inProgress’ in the same device. Creating a new instance will fall into fail if there is an instance of which hh3cSysBtmErrorStatus is ‘inProcess’.

9) If there is an attempt to remove the instance of which the hh3cSysBtmErrorStatus is ‘inProgress’, such attempt may fail.

The Boot Rom in BOOT ROM can not be removed through hh3cSysBtmLoadTable, but it can be updated through this table.

When removing an instance from this table, there is no any deletion of the corresponding file in file system.

After updating a Bootrom file into BOOT ROM, the corresponding file can be removed from the file system, but it is not the responsibility of this table to remove a Bootrom file from the file system.

10）Please refer to the switch guideline to make sure that the module supports updating.

* Examples

Creating a new instance.

A valid Bootrom file named with “flash:/s4e01\_06.btm” is supposed existing in file system.

The entPhysicalIndex of the entity (the entPhysicalClass of this entity is ‘module‘) is 2 (Here the value 2 is used just as illustration, the actual value must be got from entPhysicalIndex in entPhysicalTable of ENTITY-MIB), the customized randomIndex is 1. Then the value of hh3cSysBtmLoadIndex is 131073, and the value of the necessary objects should be set to:

hh3cSysBtmFileName.131073 = “flash:/s4e01\_06.btm”

hh3cSysBtmFileType.131073 = ‘main’

hh3cSysBtmRowStatus.131073 = ‘createAndGo’

# HH3C-ENTITY-EXT-MIB

This MIB is used to describe the extend properties of entity of switchs.

## hh3cEntityExtStateTable

OID of this table is :1.3.6.1.4.1.25506.2.6.1.1.1

The information of this MIB depends on the information of the hardware, so As per MIB when filling the value of items.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1) | accessible-for-notify | No | The index of the table, the same as the entPhysicalIndex defined in ENTITY-MIB. |
| hh3cEntityExtAdminStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.2) | read-write | No | notSupported(1) and shuttingDown(3) can not be set |
| hh3cEntityExtOperStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.3) | read-only | No | Represent the possible values of operational states. A value of disabled means the entity goes wrong, and cannot be operated. A value of enabled means the entity is partially or fully operable. |
| hh3cEntityExtStandbyStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.4) | read-only | No | As per MIB |
| hh3cEntityExtAlarmLight (1.3.6.1.4.1.25506.2.6.1.1.1.1.5) | read-only | No | Not supported |
| hh3cEntityExtCpuUsage (1.3.6.1.4.1.25506.2.6.1.1.1.1.6) | read-only | No | As per MIB |
| hh3cEntityExtCpuUsageThreshold (1.3.6.1.4.1.25506.2.6.1.1.1.1.7) | read-write | No | As per MIB |
| hh3cEntityExtMemUsage (1.3.6.1.4.1.25506.2.6.1.1.1.1.8) | read-only | No | As per MIB |
| hh3cEntityExtMemUsageThreshold (1.3.6.1.4.1.25506.2.6.1.1.1.1.9) | read-write | No | As per MIB |
| hh3cEntityExtMemSize (1.3.6.1.4.1.25506.2.6.1.1.1.1.10) | read-only | No | As per MIB |
| hh3cEntityExtUpTime (1.3.6.1.4.1.25506.2.6.1.1.1.1.11) | read-only | No | As per MIB |
| hh3cEntityExtTemperature (1.3.6.1.4.1.25506.2.6.1.1.1.1.12) | read-only | No | The invalid value is 65535. |
| hh3cEntityExtTemperatureThreshold (1.3.6.1.4.1.25506.2.6.1.1.1.1.13) | read-write | No | As per MIB |
| hh3cEntityExtVoltage (1.3.6.1.4.1.25506.2.6.1.1.1.1.14) | read-only | No | Not supported |
| hh3cEntityExtVoltageLowThreshold (1.3.6.1.4.1.25506.2.6.1.1.1.1.15) | read-write | No | Not supported |
| hh3cEntityExtVoltageHighThreshold (1.3.6.1.4.1.25506.2.6.1.1.1.1.16) | read-write | No | Not supported |
| hh3cEntityExtCriticalTemperatureThreshold (1.3.6.1.4.1.25506.2.6.1.1.1.1.17) | read-write | No | Yes |
| hh3cEntityExtMacAddress (1.3.6.1.4.1.25506.2.6.1.1.1.1.18) | read-only | No | When the entity is unit, hh3cEntityExtMacAddress displays UnitMac.  When the entity does not support hh3cEntityExtMacAddress, hh3cEntityExtMacAddress displays "00.00.00.00.00.00" |
| hh3cEntityExtErrorStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.19) | read-only | No | As per MIB |
| hh3cEntityExtCpuMaxUsage (1.3.6.1.4.1.25506.2.6.1.1.1.1.20) | read-only | No | The maximal CPU usage for the entity in the last one minutes |

## hh3cEntityExtManuTable

OID of this table is :1.3.6.1.4.1.25506.2.6.1.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cEntityExtManuPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.2.1.1.1) | accessible-for-notify | Yes | As per MIB |
| hh3cEntityExtManuSerialNum (1.3.6.1.4.1.25506.2.6.1.2.1.1.2) | read-only | Yes | As per MIB |
| hh3cEntityExtManuBuildInfo (1.3.6.1.4.1.25506.2.6.1.2.1.1.3) | read-only | Yes | As per MIB |
| hh3cEntityExtManuBOM (1.3.6.1.4.1.25506.2.6.1.2.1.1.4) | read-only | Yes | As per MIB |
| hh3cEntityExtMacAddressCount (1.3.6.1.4.1.25506.2.6.1.2.1.1.5) | read-only | Yes | As per MIB |

## hh3cEntityExtPowerTable

OID of this table is :1.3.6.1.4.1.25506.2.6.1.3.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cEntityExtPowerPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.3.1.1.1) | accessible-for-notify | Yes | As per MIB |
| hh3cEntityExtNominalPower (1.3.6.1.4.1.25506.2.6.1.3.1.1.2) | read-only | Yes | As per MIB |
| hh3cEntityExtCurrentPower (1.3.6.1.4.1.25506.2.6.1.3.1.1.3) | read-only | Yes | As per MIB |
| hh3cEntityExtAveragePower (1.3.6.1.4.1.25506.2.6.1.3.1.1.4) | read-write | No | As per MIB |
| hh3cEntityExtPeakPower (1.3.6.1.4.1.25506.2.6.1.3.1.1.5) | read-write | No | As per MIB |

## hh3cProcessTable

OID of this table is :1.3.6.1.4.1.25506.2.6.1.4.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cProcessID (1.3.6.1.4.1.25506.2.6.1.4.1.1.1) | read-only | Yes | As per MIB |
| hh3cProcessName (1.3.6.1.4.1.25506.2.6.1.4.1.1.2) | read-only | Yes | As per MIB |
| hh3cProcessUtil5Min (1.3.6.1.4.1.25506.2.6.1.4.1.1.3) | read-only | Yes | As per MIB |

## Relationship between entity and extend property

|  |  |
| --- | --- |
| entity | hh3cEntityExtAdminStatus (R/W) |
| chassis | No |
| backplane | No |
| container | No |
| powerSupply | No |
| fan | No |
| sensor | No |
| module | No |
| port | Yes |
| stack | No |
| other | No |
| unknown | No |

|  |  |
| --- | --- |
| entity | hh3cEntityExtOperStatus (R) |
| chassis | No |
| backplane | No |
| container | No |
| power Supply | Yes |
| fan | Yes |
| sensor | No |
| module | Yes |
| port | Yes |
| stack | No |
| other | No |
| unknown | No |

|  |  |
| --- | --- |
| entity | hh3cEntityExtStandbyStatus (R) |
| chassis | No |
| backplane | No |
| container | No |
| powerSupply | No |
| fan | Yes |
| sensor | No |
| module | Yes |
| port | No |
| stack | No |
| other | No |
| unknown | No |

|  |  |
| --- | --- |
| entity | hh3cEntityExtAlarmLight (R) |
| chassis | No |
| backplane | No |
| container | No |
| powerSupply | No |
| fan | No |
| sensor | No |
| module | No |
| port | No |
| stack | No |
| other | No |
| unknown | No |

|  |  |
| --- | --- |
| entity | hh3cEntityExtCpuUsage (R) |
| chassis | No |
| backplane | No |
| container | No |
| powerSupply | No |
| fan | No |
| sensor | No |
| module | Yes(Only support the Module Level1) |
| port | No |
| stack | No |
| other | No |
| unknown | No |

|  |  |
| --- | --- |
| entity | hh3cEntityExtCpuUsageThreshold (R/W) |
| chassis | No |
| backplane | No |
| container | No |
| powerSupply | No |
| fan | No |
| sensor | No |
| module | Yes(Only support the Module Level1) |
| port | No |
| stack | No |
| other | No |
| unknown | No |

|  |  |
| --- | --- |
| entity | hh3cEntityExtMemUsage (R) |
| chassis | No |
| backplane | No |
| container | No |
| powerSupply | No |
| fan | No |
| sensor | No |
| module | Yes(Only support the Module Level1) |
| port | No |
| stack | No |
| other | No |
| unknown | No |

|  |  |
| --- | --- |
| entity | hh3cEntityExtMemUsageThreshold(R/W) |
| chassis | No |
| backplane | No |
| container | No |
| powerSupply | No |
| fan | No |
| sensor | No |
| module | Yes(Only support the Module Level1) |
| port | No |
| stack | No |
| other | No |
| unknown | No |

|  |  |
| --- | --- |
| entity | hh3cEntityExtMemSize (R) |
| chassis | No |
| backplane | No |
| container | No |
| powerSupply | No |
| fan | No |
| sensor | No |
| module | Yes(Only support the Module Level1) |
| port | No |
| stack | No |
| other | No |
| unknown | No |

|  |  |
| --- | --- |
| entity | hh3cEntityExtUpTime (R) |
| chassis | Yes |
| backplane | No |
| container | No |
| powerSupply | No |
| fan | No |
| sensor | No |
| module | No |
| port | No |
| stack | No |
| other | No |
| unknown | No |

|  |  |
| --- | --- |
| entity | hh3cEntityExtTemperature (R) |
| chassis | No |
| backplane | No |
| container | No |
| powerSupply | Yes |
| fan | Yes |
| sensor | No |
| module | Yes |
| port | No |
| stack | No |
| other | Yes |
| unknown | No |

|  |  |
| --- | --- |
| entity | hh3cEntityExtTemperatureThreshold(R/W) |
| chassis | No |
| backplane | No |
| container | No |
| powerSupply | Yes |
| fan | Yes |
| sensor | No |
| module | Yes |
| port | No |
| stack | No |
| other | Yes |
| unknown | No |

|  |  |
| --- | --- |
| entity | hh3cEntityExtMacAddress (R) |
| chassis | Yes |
| backplane | No |
| container | No |
| powerSupply | No |
| fan | No |
| sensor | No |
| module | No |
| port | No |
| stack | No |
| other | No |
| unknown | No |

|  |  |
| --- | --- |
| entity | hh3cEntityExtErrorStatus (R) |
| chassis | No |
| backplane | Yes |
| container | Yes |
| powerSupply | Yes |
| fan | Yes |
| sensor | Yes |
| module | No |
| port | Yes |
| stack | No |
| other | Yes |
| unknown | Yes |

|  |  |
| --- | --- |
| entity | hh3cEntityExtManuSerialNum (R) |
| chassis | Yes |
| backplane | No |
| container | No |
| powerSupply | No |
| fan | No |
| sensor | No |
| module | Yes |
| port | No |
| cpu | No |

|  |  |
| --- | --- |
| entity | hh3cEntityExtManuBuildInfo (R) |
| chassis | Yes |
| backplane | No |
| container | No |
| powerSupply | No |
| fan | No |
| sensor | No |
| module | Yes |
| port | No |
| cpu | No |

|  |  |
| --- | --- |
| entity | hh3cEntityExtMacAddressCount (R) |
| chassis | Yes |
| backplane | No |
| container | No |
| powerSupply | No |
| fan | No |
| sensor | No |
| module | Yes |
| port | Yes |
| cpu | No |

|  |  |
| --- | --- |
| entity | hh3cEntityExtManuBOM (R) |
| chassis | Yes |
| backplane | No |
| container | No |
| powerSupply | No |
| fan | No |
| sensor | No |
| module | Yes |
| port | No |
| cpu | No |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Entity  (R/W: read/write) | POWERSUPPLY | FAN | CHASSIS | CONTAINER | MODULE | PORT | CPU |
| hh3cEntityExtAdminStatus (R/W) |  |  |  |  |  | Yes |  |
| hh3cEntityExtOperStatus (R) | Yes | Yes |  |  | Yes | Yes |  |
| hh3cEntityExtStandbyStatus (R) |  | Yes |  |  | Yes |  |  |
| hh3cEntityExtAlarmLight (R) |  |  |  |  |  |  |  |
| hh3cEntityExtCpuUsage (R) |  |  |  |  | Yes |  |  |
| hh3cEntityExtCpuUsageThreshold (R/W) |  |  |  |  | Yes |  |  |
| hh3cEntityExtMemUsage (R) |  |  |  |  | Yes |  |  |
| hh3cEntityExtMemUsageThreshold(R/W) |  |  |  |  | Yes |  |  |
| hh3cEntityExtMemSize (R) |  |  |  |  | Yes |  |  |
| hh3cEntityExtUpTime (R) |  |  | Yes |  |  |  |  |
| hh3cEntityExtTemperature (R) | Yes | Yes |  |  | Yes |  |  |
| hh3cEntityExtTemperatureThreshold (R/W) | Yes | Yes |  |  | Yes |  |  |
| hh3cEntityExtMacAddress |  |  | Yes |  |  |  |  |
| hh3cEntityExtErrorStatus | Yes | Yes |  | Yes |  | Yes | Yes |

* + - * 1. Explain the table:

1. “Yes” means the property of that entity is implemented. Others are not supported.

2. If the result of the operation is “no such name/instance”, then this MIB object is not to be supported for the specific entity.

# HH3C-IF-EXT-MIB

This MIB is an extension of interface MIBs such as IF-MIB. This MIB is applicable to switches. Some objects in this may be used only for some specific switch s, so users should refer to the related documents to acquire more detail information.

## Scalar Objects

This MIB has no scalar object.

## hh3cIfFlowStatTable

OID of this table is : 1.3.6.1.4.1.25506.2.40.2.1.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cIfStatFlowInterval (1.3.6.1.4.1.25506.2.40.2.1.2.1.1.1) | read-write | Current | Only support read operation. |
| hh3cIfStatFlowInBits (1.3.6.1.4.1.25506.2.40.2.1.2.1.1.2) | read-only | No | As per MIB |
| hh3cIfStatFlowOutBits (1.3.6.1.4.1.25506.2.40.2.1.2.1.1.3) | read-only | No | As per MIB |
| hh3cIfStatFlowInPkts (1.3.6.1.4.1.25506.2.40.2.1.2.1.1.4) | read-only | No | As per MIB |
| hh3cIfStatFlowOutPkts (1.3.6.1.4.1.25506.2.40.2.1.2.1.1.5) | read-only | No | As per MIB |
| hh3cIfStatFlowInBytes (1.3.6.1.4.1.25506.2.40.2.1.2.1.1.6) | read-only | No | As per MIB |
| hh3cIfStatFlowOutBytes (1.3.6.1.4.1.25506.2.40.2.1.2.1.1.7) | read-only | No | As per MIB |

# HH3C-IP-ADDRESS-MIB

## hh3cIpAddrNotifyScalarObjects

OID of this table is :1.3.6.1.4.1.25506.2.67.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cIpAddrNotifyIfIndex (1.3.6.1.4.1.25506.2.67.2.1.1) | accessible-for-notify | No | As per MIB |
| hh3cIpAddrOldIpAddress (1.3.6.1.4.1.25506.2.67.2.1.2) | accessible-for-notify | No | As per MIB |
| hh3cIpAddrNewIpAddress (1.3.6.1.4.1.25506.2.67.2.1.3) | accessible-for-notify | No | As per MIB |

## hh3cIpAddrSetTable

OID of this table is :1.3.6.1.4.1.25506.2.67.1.1.1

This table does not support modify the variable of exist entry, only support create a new entry and destroy an exist entry.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cIpAddrSetIfIndex (1.3.6.1.4.1.25506.2.67.1.1.1.1.1) | not-accessible | Current | As per MIB |
| hh3cIpAddrSetAddrType (1.3.6.1.4.1.25506.2.67.1.1.1.1.2) | not-accessible | Current | Only support ipv4(1) |
| hh3cIpAddrSetAddr (1.3.6.1.4.1.25506.2.67.1.1.1.1.3) | not-accessible | Current | As per MIB |
| hh3cIpAddrSetMask (1.3.6.1.4.1.25506.2.67.1.1.1.1.4) | read-create | Current | Only Loopback interface  supports 32-bit mask and  only 32-bit mask is supported on Loopback interface, the mask input which isn’t 32-bit will be converted to 32-bit. |
| hh3cIpAddrSetSourceType (1.3.6.1.4.1.25506.2.67.1.1.1.1.5) | read-create | Current | As per MIB |
| hh3cIpAddrSetCatalog (1.3.6.1.4.1.25506.2.67.1.1.1.1.6) | read-create | Current | As per MIB |
| hh3cIpAddrSetRowStatus (1.3.6.1.4.1.25506.2.67.1.1.1.1.7) | read-create | Current | Only support active(1), createAndGo(4) and destroy(6) ,the value active(1) is only for reading. |

## hh3cIpAddrReadTable

OID of this table is :1.3.6.1.4.1.25506.2.67.1.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cIpAddrReadIfIndex (1.3.6.1.4.1.25506.2.67.1.1.2.1.1) | not-accessible | Current | As per MIB |
| hh3cIpAddrReadAddrType (1.3.6.1.4.1.25506.2.67.1.1.2.1.2) | not-accessible | Current | Only support ipv4(1) |
| hh3cIpAddrReadAddr (1.3.6.1.4.1.25506.2.67.1.1.2.1.3) | not-accessible | Current | As per MIB |
| hh3cIpAddrReadMask (1.3.6.1.4.1.25506.2.67.1.1.2.1.4) | read-only | Current | As per MIB |
| hh3cIpAddrReadSourceType (1.3.6.1.4.1.25506.2.67.1.1.2.1.5) | read-only | Current | As per MIB |
| hh3cIpAddrReadCatalog (1.3.6.1.4.1.25506.2.67.1.1.2.1.6) | read-only | Current | As per MIB |

# HH3C-IP-BROADCAST-MIB

This MIB is used to set whether a device receives direct broadcast datagram.

## hh3cIpBroadcast

OID of this table is : 1.3.6.1.4.1.25506.2.33

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cIpBdstForwardBroadcast (1.3.6.1.4.1.25506.2.33.1.1) | read-write | No | Not supported |
| hh3cIpReceiveBroadcast (1.3.6.1.4.1.25506.2.33.1.2) | read-write | Current | The value of this node decide whether a device receives direct broadcast datagrams or not |

# HH3C-IPV6-ADDRESS-MIB

## hh3cIpv6AddrSetTable

OID of this table is :1.3.6.1.4.1.25506.2.71.1.1.1

This table does not support modify the variable of exist entry, only support create a new entry and destroy an exist entry.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cIpv6AddrSetIfIndex (1.3.6.1.4.1.25506.2.71.1.1.1.1.1) | not-accessible | Current | As per MIB |
| hh3cIpv6AddrSetAddrType (1.3.6.1.4.1.25506.2.71.1.1.1.1.2) | not-accessible | Current | Only support ipv6(2) |
| hh3cIpv6AddrSetAddr (1.3.6.1.4.1.25506.2.71.1.1.1.1.3) | not-accessible | Current | As per MIB |
| hh3cIpv6AddrSetPfxLength (1.3.6.1.4.1.25506.2.71.1.1.1.1.4) | read-create | Current | If the value of hh3cIpv6AddrSetSourceType is 'assignedGbIp' or 'assignedSLIp', only Loopback interface supports 128; the length of the prefix input which is less than 128 will be converted to 128.  If the value of hh3cIpv6AddrSetSourceType is 'assignedGbEUI64Ip' or 'assignedSLEUI64Ip', the length of the prefix must be set from 1 to 64. |
| hh3cIpv6AddrSetSourceType (1.3.6.1.4.1.25506.2.71.1.1.1.1.5) | read-create | Current | As per MIB |
| hh3cIpv6AddrSetRowStatus (1.3.6.1.4.1.25506.2.71.1.1.1.1.6) | read-create | Current | Only support active(1), createAndGo(4) and destroy(6) ,the value active(1) is only for reading. |

## hh3cIpv6AddrReadTable

OID of this table is :1.3.6.1.4.1.25506.2.71.1.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cIpv6AddrReadIfIndex (1.3.6.1.4.1.25506.2.71.1.1.2.1.1) | not-accessible | Current | As per MIB |
| hh3cIpv6AddrReadAddrType (1.3.6.1.4.1.25506.2.71.1.1.2.1.2) | not-accessible | Current | Only support ipv6(2) |
| hh3cIpv6AddrReadAddr (1.3.6.1.4.1.25506.2.71.1.1.2.1.3) | not-accessible | Current | As per MIB |
| hh3cIpv6AddrReadPfxLength (1.3.6.1.4.1.25506.2.71.1.1.2.1.4) | read-only | Current | As per MIB |
| hh3cIpv6AddrReadSourceType (1.3.6.1.4.1.25506.2.71.1.1.2.1.5) | read-only | Current | Only support assignedIp, assignedEUI64Ip, assignedautoIp and autoIp. |
| hh3cIpv6AddrReadCatalog (1.3.6.1.4.1.25506.2.71.1.1.2.1.6) | read-only | Current | As per MIB |

# HH3C-MIRRORGROUP-MIB

## hh3cMGTable

OID of this table is :1.3.6.1.4.1.25506.2.68.1.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cMGID (1.3.6.1.4.1.25506.2.68.1.1.1.1.1) | not-accessible | Current | The range is different for different product. |
| hh3cMGType (1.3.6.1.4.1.25506.2.68.1.1.1.1.2) | read-create | Current | As per MIB |
| hh3cMGStatus (1.3.6.1.4.1.25506.2.68.1.1.1.1.3) | Read-only | Current | As per MIB |
| hh3cMGRowStatus (1.3.6.1.4.1.25506.2.68.1.1.1.1.4) | read-create | Current | Support three status: createAndGo, active, destroy. CreateAndGo operation only support Multiple Variable Bindings with hh3cMGType. |

## hh3cMGMirrorIfTable

OID of this table is :1.3.6.1.4.1.25506.2.68.1.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cMGMirrorIfIndex (1.3.6.1.4.1.25506.2.68.1.2.1.1.1) | not-accessible | Current | As per MIB |
| hh3cMGMirrorDirection (1.3.6.1.4.1.25506.2.68.1.2.1.1.2) | not-accessible | Current | As per MIB |
| hh3cMGMirrorRowStatus (1.3.6.1.4.1.25506.2.68.1.2.1.1.3) | read-create | Current | Support three status: createAndGo, active, destroy |

## hh3cMGMonitorIfTable

OID of this table is :1.3.6.1.4.1.25506.2.68.1.3.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cMGMonitorIfIndex (1.3.6.1.4.1.25506.2.68.1.3.1.1.1) | not-accessible | Current | As per MIB |
| hh3cMGMonitorRowStatus (1.3.6.1.4.1.25506.2.68.1.3.1.1.2) | read-create | Current | Support three status: createAndGo, active, destroy |

## hh3cMGReflectorIfTable

OID of this table is :1.3.6.1.4.1.25506.2.68.1.4.1

This table is not supported by 6502.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cMGReflectorIfIndex (1.3.6.1.4.1.25506.2.68.1.4.1.1.1) | not-accessible | Current | As per MIB |
| hh3cMGReflectorRowStatus (1.3.6.1.4.1.25506.2.68.1.4.1.1.2) | read-create | Current | Support three status: createAndGo, active, destroy |

## hh3cMGRprobeVlanTable

OID of this table is :1.3.6.1.4.1.25506.2.68.1.5.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cMGRprobeVlanID (1.3.6.1.4.1.25506.2.68.1.5.1.1.1) | not-accessible | Current | As per MIB |
| hh3cMGRprobeVlanRowStatus (1.3.6.1.4.1.25506.2.68.1.5.1.1.2) | read-create | Current | Support three status: createAndGo, active, destroy |

# HH3C-MPM-MIB

## Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cMPortGroupLimitMinNumber (1.3.6.1.4.1.25506.2.51.1.1) | read-only | Current | As per MIB |
| hh3cMPortGroupLimitMaxNumber (1.3.6.1.4.1.25506.2.51.1.2) | read-only | Current | As per MIB |

## hh3cMPortGroupJoinTable

OID of this table is :1.3.6.1.4.1.25506.2.51.2.1

The hh3cMPortGroupJoinTable is used to configure a port in a specified VLAN to join a multicast group.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cMPortGroupJoinVlanID (1.3.6.1.4.1.25506.2.51.2.1.1.1) | not-accessible | Current | As per MIB |
| hh3cMPortGroupJoinAddressType (1.3.6.1.4.1.25506.2.51.2.1.1.2) | not-accessible | Current | As per MIB |
| hh3cMPortGroupJoinAddress (1.3.6.1.4.1.25506.2.51.2.1.1.3) | not-accessible | Current | As per MIB |
| hh3cMPortGroupJoinStatus (1.3.6.1.4.1.25506.2.51.2.1.1.4) | read-create | Current | As per MIB |

## hh3cMPortGroupTable

OID of this table is :1.3.6.1.4.1.25506.2.51.2.2

The hh3cMPortGroupTable containing information about status of a port which join in a multicast group in the VLAN.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cMPortGroupVlanID (1.3.6.1.4.1.25506.2.51.2.2.1.1) | not-accessible | Current | As per MIB |
| hh3cMPortGroupAddressType (1.3.6.1.4.1.25506.2.51.2.2.1.2) | read-only | Current | As per MIB |
| hh3cMportGroupAddress (1.3.6.1.4.1.25506.2.51.2.2.1.3) | read-only | Current | As per MIB |

## hh3cMPortConfigTable

OID of this table is :1.3.6.1.4.1.25506.2.51.2.3

The hh3cMPortConfigTable containing configuration about fast leave status, group limit number and group policy parameter on a port in the specified VLAN.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cMPortConfigVlanID (1.3.6.1.4.1.25506.2.51.2.3.1.1) | not-accessible | Current | As per MIB |
| hh3cMPortGroupLimitNumber (1.3.6.1.4.1.25506.2.51.2.3.1.2) | read-create | Current | As per MIB |
| hh3cMPortFastLeaveStatus (1.3.6.1.4.1.25506.2.51.2.3.1.3) | read-create | Current | As per MIB |
| hh3cMPortGroupPolicyParameter (1.3.6.1.4.1.25506.2.51.2.3.1.4) | read-create | Current | As per MIB |
| hh3cMPortConfigRowStatus (1.3.6.1.4.1.25506.2.51.2.3.1.5) | read-create | Current | As per MIB |
| hh3cMPortGroupLimitReplace (1.3.6.1.4.1.25506.2.51.2.3.1.6) | read-create | Current | As per MIB |

# HH3C-NQA-MIB

This MIB should be supported by device which implements disman ping function. **This MIB cannot mix using with CLI.**

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cNqaMIBVersion (1.3.6.1.4.1.25506.8.3.1.1) | read-only | No | As per MIB. |
| hh3cNqaAgentEnable (1.3.6.1.4.1.25506.8.3.1.5) | read-write | Current | Default value is enable(1). |
| hh3cNqaServerEnable (1.3.6.1.4.1.25506.8.3.1.8) | read-write | Current | As per MIB. |
| hh3cNqaStatsMaxGroupNumber (1.3.6.1.4.1.25506.8.3.1.9) | read-only | Current | As per MIB |

## hh3cNqaCtlTable

OID of this table is :1.3.6.1.4.1.25506.8.3.1.2

1. The parameter which is not supported by the corresponding pingCtlType cannot be configured.
2. Once the configuration is modified, the result, histories, and statistics of the corresponding entry will be cleared.
3. The results, histories and statistics must be the factual reflection of the test results of current configurations.
4. Users will be puzzled when they get the results which caused by the previous configurations.
5. If the parameter which is not supported by the corresponding pingCtlType is read, the result is invalid.
6. The following table shows the relationship between pingCtlType and parameters.

|  |  |
| --- | --- |
| Value of pingCtlType | Support parameters |
| pingIcmpEcho | hh3cNqaCtlTTL  hh3cNqaCtlVPNInstance |
| pingUdpEcho  hh3cNqaUdpEcho | hh3cNqaCtlTargetPort  hh3cNqaCtlSourcePort  hh3cNqaCtlTTL |
| pingSnmpQuery | hh3cNqaCtlSourcePort  hh3cNqaCtlTTL |
| pingTcpConnectionAttempt  hh3cNqaTcpconnect | hh3cNqaCtlTargetPort  hh3cNqaCtlTTL |
| hh3cNqajitter ( for udp-jitter test )  hh3cNqaCtlCodecType is defined as notDefined(1) | hh3cNqaCtlTargetPort  hh3cNqaCtlSourcePort  hh3cNqaCtlTTL  hh3cNqaCtlJitterAdminInterval  hh3cNqaCtlJitterAdminNumPackets  hh3cNqaCtlCodecType |
| hh3cNqajitter ( for voice test )  hh3cNqaCtlCodecType is defined as g711Alaw(2)、g711Ulaw(3) or g729A(4) | hh3cNqaCtlTargetPort  hh3cNqaCtlSourcePort  hh3cNqaCtlTTL  hh3cNqaCtlJitterAdminInterval  hh3cNqaCtlJitterAdminNumPackets  hh3cNqaCtlICPIFAdvFactor  hh3cNqaCtlCodecType |
| hh3cNqaHttp | hh3cNqaCtlTTL  hh3cNqaCtlHttpOperationType  hh3cNqaCtlHttpOperationString |
| hh3cNqadlsw | hh3cNqaCtlTTL |
| hh3cNqadhcp |  |
| hh3cNqaftp | hh3cNqaCtlTTL  hh3cNqaCtlFtpOperationType  hh3cNqaCtlFtpUsername  hh3cNqaCtlFtpPassword  hh3cNqaCtlFtpOperationString |

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cNqaCtlTargetPort (1.3.6.1.4.1.25506.8.3.1.2.1.1) | read-create | Current | Range from 0 to 65535  If the value of pingCtlType is “pingUdpEcho” or “pingTcpConnectionAttempt”, the value of this object must be 7.  If the value of pingCtlType is "hh3cNqaUdpEcho" or "hh3cNqaTcpconnect", the value of this object cannot be 7. |
| hh3cNqaCtlSourcePort (1.3.6.1.4.1.25506.8.3.1.2.1.2) | read-create | Current | Range from 0 to 50000 |
| hh3cNqaCtlTTL (1.3.6.1.4.1.25506.8.3.1.2.1.3) | read-create | Current | Range from 1 to 255 |
| hh3cNqaCtlJitterAdminInterval (1.3.6.1.4.1.25506.8.3.1.2.1.4) | read-create | Current | Range from 10 to 60000 |
| hh3cNqaCtlJitterAdminNumPackets (1.3.6.1.4.1.25506.8.3.1.2.1.5) | read-create | Current | When doing UDP-jitter test,the range is from 10 to 1000,and the default value is 10,  When doing voice test,the range is from 10 to 60000,and the default value is 1000.  Only voice test and UDP-jitter test is supported ,the default vaule of other test is 10. |
| hh3cNqaCtlHttpOperationType (1.3.6.1.4.1.25506.8.3.1.2.1.6) | read-create | Current | As per MIB. |
| hh3cNqaCtlHttpOperationString (1.3.6.1.4.1.25506.8.3.1.2.1.7) | read-create | Current | This object include two  parts, the first part is url and  the second one is http version.  The length of url is from 0 to 185 .  The version only supports “HTTP/1.0”(case- insensitive).  The value of this object must have one space and only one space. The space is the separator of url and version.  If the value of this object is zero-length string, the url and version are set to default value. |
| hh3cNqaCtlFtpOperationType (1.3.6.1.4.1.25506.8.3.1.2.1.8) | read-create | Current | As per MIB |
| hh3cNqaCtlFtpUsername (1.3.6.1.4.1.25506.8.3.1.2.1.9) | read-create | Current | As per MIB. |
| hh3cNqaCtlFtpPassword (1.3.6.1.4.1.25506.8.3.1.2.1.10) | read-create | Current | As per MIB. |
| hh3cNqaCtlFtpOperationString (1.3.6.1.4.1.25506.8.3.1.2.1.11) | read-create | Current | The length of this object is from 0 to 200 |
| hh3cNqaCtlVPNInstance (1.3.6.1.4.1.25506.8.3.1.2.1.12) | read-create | Current | The length of this object is from 0 to 31.  If the product does not support VPN feature, this object cannot be set. |
| hh3cNqaCtlHistoryKeptTime (1.3.6.1.4.1.25506.8.3.1.2.1.13) | read-create | Current | Not supported |
| hh3cNqaCtlHistoryEnable (1.3.6.1.4.1.25506.8.3.1.2.1.14) | read-create | Current | Not supported |
| hh3cNqaCtlICPIFAdvFactor (1.3.6.1.4.1.25506.8.3.1.2.1.15) | read-create | Current | Range from 0 to 20 |
| hh3cNqaCtlCodecType (1.3.6.1.4.1.25506.8.3.1.2.1.16) | read-create | Current | If the corresponding pingCtlType is not hh3cNqajitter, this object is invalid.  If the corresponding pingCtlType is hh3cNqajitter and this object is set to notDefined, it is JITTER test.  If the corresponding pingCtlType is hh3cNqajitter and this object is set to g711Alaw, g711Ulaw or g729A, it is VOICE test.  If the value of this object is changed from g711Alaw, g711Ulaw or g729A to notDefined, the entry of voice type will be deleted and the entry of udp-jitter type will be created with default configuration. If the value of this object is changed from notDefined to g711Alaw, g711Ulaw or g729A, the entry of udp-jitter type will be deleted and the entry of voice type will be created with the corresponding codec-type configuration.  The current supported value is notDefined, g711Alaw, g711Ulaw and g729A.. |

## hh3cNqaResultsTable

OID of this table is :1.3.6.1.4.1.25506.8.3.1.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cNqaResultsRttNumDisconnects (1.3.6.1.4.1.25506.8.3.1.3.1.1) | read-only | No | As per MIB. |
| hh3cNqaResultsRttTimeouts (1.3.6.1.4.1.25506.8.3.1.3.1.2) | read-only | No | As per MIB. |
| hh3cNqaResultsRttBusies (1.3.6.1.4.1.25506.8.3.1.3.1.3) | read-only | No | Not supported |
| hh3cNqaResultsRttNoConnections (1.3.6.1.4.1.25506.8.3.1.3.1.4) | read-only | No | As per MIB. |
| hh3cNqaResultsRttDrops (1.3.6.1.4.1.25506.8.3.1.3.1.5) | read-only | No | As per MIB. |
| hh3cNqaResultsRttSequenceErrors (1.3.6.1.4.1.25506.8.3.1.3.1.6) | read-only | No | As per MIB. |
| hh3cNqaResultsRttStatsErrors (1.3.6.1.4.1.25506.8.3.1.3.1.7) | read-only | No | As per MIB. |
| hh3cNqaResultsMaxDelaySD (1.3.6.1.4.1.25506.8.3.1.3.1.8) | read-only | No | As per MIB |
| hh3cNqaResultsMaxDelayDS (1.3.6.1.4.1.25506.8.3.1.3.1.9) | read-only | No | As per MIB |
| hh3cNqaResultsLostPacketRatio (1.3.6.1.4.1.25506.8.3.1.3.1.10) | read-only | No | The value of this object reflects the drop rate of all kinds of tests included in DISMAN-PING-MIB MIB and HH3C-NQA-MIB MIB. |
| hh3cNqaResultsPacketLateArrival (1.3.6.1.4.1.25506.8.3.1.3.1.11) | read-only | No | As per MIB |
| hh3cNqaResultsRttSum (1.3.6.1.4.1.25506.8.3.1.3.1.12) | read-only | No | As per MIB |
| hh3cNqaResultsNumOfDelaySD (1.3.6.1.4.1.25506.8.3.1.3.1.13) | read-only | No | As per MIB |
| hh3cNqaResultsMinDelaySD (1.3.6.1.4.1.25506.8.3.1.3.1.14) | read-only | No | As per MIB |
| hh3cNqaResultsSumDelaySD (1.3.6.1.4.1.25506.8.3.1.3.1.15) | read-only | No | As per MIB |
| hh3cNqaResultsSum2DelaySD (1.3.6.1.4.1.25506.8.3.1.3.1.16) | read-only | No | As per MIB |
| hh3cNqaResultsNumOfDelayDS (1.3.6.1.4.1.25506.8.3.1.3.1.17) | read-only | No | As per MIB |
| hh3cNqaResultsMinDelayDS (1.3.6.1.4.1.25506.8.3.1.3.1.18) | read-only | No | As per MIB |
| hh3cNqaResultsSumDelayDS (1.3.6.1.4.1.25506.8.3.1.3.1.19) | read-only | No | As per MIB |
| hh3cNqaResultsSum2DelayDS (1.3.6.1.4.1.25506.8.3.1.3.1.20) | read-only | No | As per MIB |

## hh3cNqaJitterStatsTable

OID of this table is :1.3.6.1.4.1.25506.8.3.1.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cNqaJitterStatsNumOfRTT (1.3.6.1.4.1.25506.8.3.1.4.1.1) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsMinOfPositivesSD (1.3.6.1.4.1.25506.8.3.1.4.1.2) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsMaxOfPositivesSD (1.3.6.1.4.1.25506.8.3.1.4.1.3) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsNumOfPositivesSD (1.3.6.1.4.1.25506.8.3.1.4.1.4) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsSumOfPositivesSD (1.3.6.1.4.1.25506.8.3.1.4.1.5) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsSum2PositivesSD (1.3.6.1.4.1.25506.8.3.1.4.1.6) | read-only | No | As per MIB |
| hh3cNqaJitterStatsMinOfNegativesSD (1.3.6.1.4.1.25506.8.3.1.4.1.7) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsMaxOfNegativesSD (1.3.6.1.4.1.25506.8.3.1.4.1.8) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsNumOfNegativesSD (1.3.6.1.4.1.25506.8.3.1.4.1.9) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsSumOfNegativesSD (1.3.6.1.4.1.25506.8.3.1.4.1.10) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsSum2NegativesSD (1.3.6.1.4.1.25506.8.3.1.4.1.11) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsMinOfPositivesDS (1.3.6.1.4.1.25506.8.3.1.4.1.12) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsMaxOfPositivesDS (1.3.6.1.4.1.25506.8.3.1.4.1.13) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsNumOfPositivesDS (1.3.6.1.4.1.25506.8.3.1.4.1.14) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsSumOfPositivesDS (1.3.6.1.4.1.25506.8.3.1.4.1.15) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsSum2PositivesDS (1.3.6.1.4.1.25506.8.3.1.4.1.16) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsMinOfNegativesDS (1.3.6.1.4.1.25506.8.3.1.4.1.17) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsMaxOfNegativesDS (1.3.6.1.4.1.25506.8.3.1.4.1.18) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsNumOfNegativesDS (1.3.6.1.4.1.25506.8.3.1.4.1.19) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsSumOfNegativesDS (1.3.6.1.4.1.25506.8.3.1.4.1.20) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsSum2NegativesDS (1.3.6.1.4.1.25506.8.3.1.4.1.21) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsPacketLossSD (1.3.6.1.4.1.25506.8.3.1.4.1.22) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsPacketLossDS (1.3.6.1.4.1.25506.8.3.1.4.1.23) | read-only | No | As per MIB. |
| hh3cNqaJitterStatsAvePositivesSD (1.3.6.1.4.1.25506.8.3.1.4.1.24) | read-only | No | If the difference between intervals from source to destination of two sequential packets within a group of packets is positive, statistical times should add 1, and statistical summation should add the difference. The value of this object is the result of following expression: (statistical summation)/ (statistical times). |
| hh3cNqaJitterStatsAveNegativesSD (1.3.6.1.4.1.25506.8.3.1.4.1.25) | read-only | No | If the difference between intervals from source to destination of two sequential packets within a group of packets is negative, statistical times should add 1, and statistical summation should add the absolute value of the difference. The value of this object is the result of following expression: (statistical summation)/ (statistical times). |
| hh3cNqaJitterStatsAvePositivesDS (1.3.6.1.4.1.25506.8.3.1.4.1.26) | read-only | No | If the difference between intervals from destination to source of two sequential packets within a group of packets is positive, statistical times should add 1, and statistical summation should add the difference. The value of this object is the result of following expression: (statistical summation)/ (statistical times). |
| hh3cNqaJitterStatsAveNegativesDS (1.3.6.1.4.1.25506.8.3.1.4.1.27) | read-only | No | If the difference between intervals from destination to source of two sequential packets within a group of packets is negative, statistical times should add 1, and statistical summation should add the absolute value of the difference. The value of this object is the result of following expression: (statistical summation)/( statistical times). |
| hh3cNqaJitterStatsPktLossUnknown (1.3.6.1.4.1.25506.8.3.1.4.1.28) | read-only | No | The number of packets which lost but not knowing result |
| hh3cNqaJitterStatsOperOfICPIF (1.3.6.1.4.1.25506.8.3.1.4.1.29) | read-only | No | Only voice test is supported. |
| hh3cNqaJitterStatsOperOfMOS (1.3.6.1.4.1.25506.8.3.1.4.1.30) | read-only | No | Only voice test is supported the value of this object is 100 times of the actual value. |

## hh3cNqaTcpServerTable

OID of this table is :1.3.6.1.4.1.25506.8.3.1.6

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cNqaTcpServerIpAddress (1.3.6.1.4.1.25506.8.3.1.6.1.1) | not-accessible | Current | Only support ipv4 address. |
| hh3cNqaTcpServerPort (1.3.6.1.4.1.25506.8.3.1.6.1.2) | not-accessible | Current | Range from 1 to 50000 |
| hh3cNqaTcpServerRowStatus (1.3.6.1.4.1.25506.8.3.1.6.1.3) | read-create | Current | Only support active(1), createAndgo(4) and destroy(6) |

## hh3cNqaUdpServerTable

OID of this table is :1.3.6.1.4.1.25506.8.3.1.7

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cNqaUdpServerIpAddress (1.3.6.1.4.1.25506.8.3.1.7.1.1) | not-accessible | Current | Only support ipv4 address. |
| hh3cNqaUdpServerPort (1.3.6.1.4.1.25506.8.3.1.7.1.2) | not-accessible | Current | Range from 1 to 50000 |
| hh3cNqaUdpServerRowStatus (1.3.6.1.4.1.25506.8.3.1.7.1.3) | read-create | Current | Only support active(1) ,createAndgo(4) and destroy(6) |

## hh3cNqaStatisticsCtlTable

OID of this table is :1.3.6.1.4.1.25506.8.3.1.10

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cNqaCtlStatisticsInterval (1.3.6.1.4.1.25506.8.3.1.10.1.1) | read-create | Current | For DHCP test, this object is not supported.  Range from 1 to 35791394(in minutes), default value is 60. |
| hh3cNqaCtlStatisticsGroupNumber (1.3.6.1.4.1.25506.8.3.1.10.1.2) | read-create | Current | For DHCP test, this object is not supported.  Range from 0 to hh3cNqaStatsMaxGroupNumber,  default value is 2.  If the value of this object is 0, statistics will not be created. |
| hh3cNqaCtlStatisticsKeptTime (1.3.6.1.4.1.25506.8.3.1.10.1.3) | read-create | Current | For DHCP test, this object is not supported.  Range from 1 to 1440(in minutes), default value is 120. |
| hh3cNqaCtlBeginTime (1.3.6.1.4.1.25506.8.3.1.10.1.4) | read-create | Current | Time format must be abided. The year is range from 2000 to 2035. |
| hh3cNqaCtlLifeTime (1.3.6.1.4.1.25506.8.3.1.10.1.5) | read-create | Current | Range from 1 to 2147483647 (in seconds), The value of 4294967295 means the test will never stop. |

## hh3cNqaStatisticsResultsTable

OID of this table is :1.3.6.1.4.1.25506.8.3.1.11

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cNqaStatResIndex (1.3.6.1.4.1.25506.8.3.1.11.1.1) | not-accessible | No | As per MIB |
| hh3cNqaStatResIpTargetAddressType (1.3.6.1.4.1.25506.8.3.1.11.1.2) | read-only | No | As per MIB |
| hh3cNqaStatResIpTargetAddress (1.3.6.1.4.1.25506.8.3.1.11.1.3) | read-only | No | As per MIB |
| hh3cNqaStatResMinRtt (1.3.6.1.4.1.25506.8.3.1.11.1.4) | read-only | No | As per MIB |
| hh3cNqaStatResMaxRtt (1.3.6.1.4.1.25506.8.3.1.11.1.5) | read-only | No | As per MIB |
| hh3cNqaStatResAverageRtt (1.3.6.1.4.1.25506.8.3.1.11.1.6) | read-only | No | As per MIB |
| hh3cNqaStatResProbeResponses (1.3.6.1.4.1.25506.8.3.1.11.1.7) | read-only | No | As per MIB |
| hh3cNqaStatResSentProbes (1.3.6.1.4.1.25506.8.3.1.11.1.8) | read-only | No | As per MIB |
| hh3cNqaStatResRttSumOfSquares (1.3.6.1.4.1.25506.8.3.1.11.1.9) | read-only | No | As per MIB |
| hh3cNqaStatResStartTime (1.3.6.1.4.1.25506.8.3.1.11.1.10) | read-only | No | As per MIB |
| hh3cNqaStatResInterval (1.3.6.1.4.1.25506.8.3.1.11.1.11) | read-only | No | As per MIB |
| hh3cNqaStatResRttNumDisconnects (1.3.6.1.4.1.25506.8.3.1.11.1.12) | read-only | No | As per MIB |
| hh3cNqaStatResRttTimeouts (1.3.6.1.4.1.25506.8.3.1.11.1.13) | read-only | No | As per MIB |
| hh3cNqaStatResRttBusies (1.3.6.1.4.1.25506.8.3.1.11.1.14) | read-only | No | As per MIB |
| hh3cNqaStatResRttNoConnections (1.3.6.1.4.1.25506.8.3.1.11.1.15) | read-only | No | As per MIB |
| hh3cNqaStatResRttDrops (1.3.6.1.4.1.25506.8.3.1.11.1.16) | read-only | No | As per MIB |
| hh3cNqaStatResRttSequenceErrors (1.3.6.1.4.1.25506.8.3.1.11.1.17) | read-only | No | As per MIB |
| hh3cNqaStatResRttErrors (1.3.6.1.4.1.25506.8.3.1.11.1.18) | read-only | No | As per MIB |
| hh3cNqaStatResLostPacketRatio (1.3.6.1.4.1.25506.8.3.1.11.1.19) | read-only | No | As per MIB |
| hh3cNqaStatResPacketLateArrival (1.3.6.1.4.1.25506.8.3.1.11.1.20) | read-only | No | As per MIB |
| hh3cNqaStatResRttSum (1.3.6.1.4.1.25506.8.3.1.11.1.21) | read-only | No | As per MIB |
| hh3cNqaStatResNumOfDelaySD (1.3.6.1.4.1.25506.8.3.1.11.1.22) | read-only | No | As per MIB |
| hh3cNqaStatResMinDelaySD (1.3.6.1.4.1.25506.8.3.1.11.1.23) | read-only | No | As per MIB |
| hh3cNqaStatResMaxDelaySD (1.3.6.1.4.1.25506.8.3.1.11.1.24) | read-only | No | As per MIB |
| hh3cNqaStatResSumDelaySD (1.3.6.1.4.1.25506.8.3.1.11.1.25) | read-only | No | As per MIB |
| hh3cNqaStatResSum2DelaySD (1.3.6.1.4.1.25506.8.3.1.11.1.26) | read-only | No | As per MIB |
| hh3cNqaStatResNumOfDelayDS (1.3.6.1.4.1.25506.8.3.1.11.1.27) | read-only | No | As per MIB |
| hh3cNqaStatResMinDelayDS (1.3.6.1.4.1.25506.8.3.1.11.1.28) | read-only | No | As per MIB |
| hh3cNqaStatResMaxDelayDS (1.3.6.1.4.1.25506.8.3.1.11.1.29) | read-only | No | As per MIB |
| hh3cNqaStatResSumDelayDS (1.3.6.1.4.1.25506.8.3.1.11.1.30) | read-only | No | As per MIB |
| hh3cNqaStatResSum2DelayDS (1.3.6.1.4.1.25506.8.3.1.11.1.31) | read-only | No | As per MIB |

## hh3cNqaGroupStatsJitterTable

OID of this table is :1.3.6.1.4.1.25506.8.3.1.12

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cNqaStatJitterIndex (1.3.6.1.4.1.25506.8.3.1.12.1.1) | not-accessible | No | As per MIB |
| hh3cNqaStatJitterMinOfPosSD (1.3.6.1.4.1.25506.8.3.1.12.1.2) | read-only | No | As per MIB |
| hh3cNqaStatJitterMaxOfPosSD (1.3.6.1.4.1.25506.8.3.1.12.1.3) | read-only | No | As per MIB |
| hh3cNqaStatJitterNumOfPosSD (1.3.6.1.4.1.25506.8.3.1.12.1.4) | read-only | No | As per MIB |
| hh3cNqaStatJitterSumOfPosSD (1.3.6.1.4.1.25506.8.3.1.12.1.5) | read-only | No | As per MIB |
| hh3cNqaStatJitterSumOfSquarePosSD (1.3.6.1.4.1.25506.8.3.1.12.1.6) | read-only | No | As per MIB |
| hh3cNqaStatJitterMinOfNegSD (1.3.6.1.4.1.25506.8.3.1.12.1.7) | read-only | No | As per MIB |
| hh3cNqaStatJitterMaxOfNegSD (1.3.6.1.4.1.25506.8.3.1.12.1.8) | read-only | No | As per MIB |
| hh3cNqaStatJitterNumOfNegSD (1.3.6.1.4.1.25506.8.3.1.12.1.9) | read-only | No | As per MIB |
| hh3cNqaStatJitterSumOfNegSD (1.3.6.1.4.1.25506.8.3.1.12.1.10) | read-only | No | As per MIB |
| hh3cNqaStatJitterSumOfSquareNegSD (1.3.6.1.4.1.25506.8.3.1.12.1.11) | read-only | No | As per MIB |
| hh3cNqaStatJitterMinOfPosDS (1.3.6.1.4.1.25506.8.3.1.12.1.12) | read-only | No | As per MIB |
| hh3cNqaStatJitterMaxOfPosDS (1.3.6.1.4.1.25506.8.3.1.12.1.13) | read-only | No | As per MIB |
| hh3cNqaStatJitterNumOfPosDS (1.3.6.1.4.1.25506.8.3.1.12.1.14) | read-only | No | As per MIB |
| hh3cNqaStatJitterSumOfPosDS (1.3.6.1.4.1.25506.8.3.1.12.1.15) | read-only | No | As per MIB |
| hh3cNqaStatJitterSumOfSquarePosDS (1.3.6.1.4.1.25506.8.3.1.12.1.16) | read-only | No | As per MIB |
| hh3cNqaStatJitterMinOfNegDS (1.3.6.1.4.1.25506.8.3.1.12.1.17) | read-only | No | As per MIB |
| hh3cNqaStatJitterMaxOfNegDS (1.3.6.1.4.1.25506.8.3.1.12.1.18) | read-only | No | As per MIB |
| hh3cNqaStatJitterNumOfNegDS (1.3.6.1.4.1.25506.8.3.1.12.1.19) | read-only | No | As per MIB |
| hh3cNqaStatJitterSumOfNegDS (1.3.6.1.4.1.25506.8.3.1.12.1.20) | read-only | No | As per MIB |
| hh3cNqaStatJitterSumOfSquareNegDS (1.3.6.1.4.1.25506.8.3.1.12.1.21) | read-only | No | As per MIB |
| hh3cNqaStatJitterPacketLossSD (1.3.6.1.4.1.25506.8.3.1.12.1.22) | read-only | No | As per MIB |
| hh3cNqaStatJitterPacketLossDS (1.3.6.1.4.1.25506.8.3.1.12.1.23) | read-only | No | As per MIB |
| hh3cNqaStatJitterAvePosSD (1.3.6.1.4.1.25506.8.3.1.12.1.24) | read-only | No | As per MIB |
| hh3cNqaStatJitterAveNegSD (1.3.6.1.4.1.25506.8.3.1.12.1.25) | read-only | No | As per MIB |
| hh3cNqaStatJitterAvePosDS (1.3.6.1.4.1.25506.8.3.1.12.1.26) | read-only | No | As per MIB |
| hh3cNqaStatJitterAveNegDS (1.3.6.1.4.1.25506.8.3.1.12.1.27) | read-only | No | As per MIB |
| hh3cNqaStatJitterPktLossUnknown (1.3.6.1.4.1.25506.8.3.1.12.1.28) | read-only | No | As per MIB |
| hh3cNqaStatJitterMaxOfICPIF (1.3.6.1.4.1.25506.8.3.1.12.1.29) | read-only | No | Only voice test is supported |
| hh3cNqaStatJitterMinOfICPIF (1.3.6.1.4.1.25506.8.3.1.12.1.30) | read-only | No | Only voice test is supported |
| hh3cNqaStatJitterMaxOfMOS (1.3.6.1.4.1.25506.8.3.1.12.1.31) | read-only | No | Only voice test is supported ,the value of this object is 100 times of the actual value |
| hh3cNqaStatJitterMinOfMOS (1.3.6.1.4.1.25506.8.3.1.12.1.32) | read-only | No | Only voice test is supported ,the value of this object is 100 times of the actual value |

## hh3cNqaReactionTable

OID of this table is: 1.3.6.1.4.1.25506.8.3.1.13

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cNqaReactOwnerIndex (1.3.6.1.4.1.25506.8.3.1.13.1.1) | accessible-for-notify | No | As per MIB |
| hh3cNqaReactTestName (1.3.6.1.4.1.25506.8.3.1.13.1.2) | accessible-for-notify | No | As per MIB |
| hh3cNqaReactItemIndex (1.3.6.1.4.1.25506.8.3.1.13.1.3) | accessible-for-notify | No | As per MIB |
| hh3cNqaReactCheckedElement (1.3.6.1.4.1.25506.8.3.1.13.1.4) | read-create | No | As per MIB |
| hh3cNqaReactThresholdUpperLimit (1.3.6.1.4.1.25506.8.3.1.13.1.5) | read-create | No | Ranges from 1 to 100 when the value of hh3cNqaReactCheckedElement is "icpif".  Ranges from 1 to 500 when the value of hh3cNqaReactCheckedElement is "mos".  Ranges from 0 to 3600000 (in milliseconds) when the value of hh3cNqaReactCheckedElement is "jittersd", "jitterds", "jitterOwdSD", "jitterOwdDS", "jitterrtt" or "probetime".  The value of this object shouldn't be set in other cases. |
| hh3cNqaReactThresholdLowerLimit (1.3.6.1.4.1.25506.8.3.1.13.1.6) | read-create | No | Ranges from 1 to 100 when the value of hh3cNqaReactCheckedElement is "icpif".  Ranges from 1 to 500 when the value of hh3cNqaReactCheckedElement is "mos".  Ranges from 0 to 3600000 (in milliseconds) when the value of hh3cNqaReactCheckedElement is "jittersd", "jitterds", "jitterOwdSD", "jitterOwdDS", "jitterrtt" or "probetime".  The value of this object shouldn't be set in other cases. |
| hh3cNqaReactThresholdType (1.3.6.1.4.1.25506.8.3.1.13.1.7) | read-create | No | The value of this object can be set to "average" or "accumulative" when the value of hh3cNqaReactCheckedElement is "jittersd" or "jitterds".  The value of this object can be set to "accumulative" when the value of hh3cNqaReactCheckedElement is "jitterpacketloss".  The value of this object can be set to "average", "consecutive" or "accumulative" when the value of hh3cNqaReactCheckedElement is "probetime".  The value of this object can be set to "consecutive" or "accumulative" when the value of hh3cNqaReactCheckedElement is "probefailure".  The value of this object can be set to "average" or "accumulative" when the value of hh3cNqaReactCheckedElement is "jitterrtt".  The value of this object shouldn't be set in other cases. |
| hh3cNqaReactThresholdConsecNum (1.3.6.1.4.1.25506.8.3.1.13.1.8) | read-create | No | Ranges from 1 to 16 when the value of hh3cNqaReactCheckedElement is "probetime" or "probefailure".  The value of this object shouldn't be set in other cases. |
| hh3cNqaReactThresholdAccumNum (1.3.6.1.4.1.25506.8.3.1.13.1.9) | read-create | No | Ranges from 1 to 14999 when the value of hh3cNqaReactCheckedElement is "jittersd" or "jitterds" and the test type is UDP-jitter.  Ranges from 1 to 59999 when the value of hh3cNqaReactCheckedElement is "jittersd" or "jitterds" and the test type is Voice.  Ranges from 1 to 15000 when the value of hh3cNqaReactCheckedElement is "jitterpacketloss" or "jitterrtt" and the test type is UDP-jitter.  Ranges from 1 to 60000 when the value of hh3cNqaReactCheckedElement is "jitterpacketloss" or "jitterrtt" and the test type is Voice.  Ranges from 1 to 15 when the value of hh3cNqaReactCheckedElement is "probetime" or "probefailure".  The value of this object shouldn't be set in other cases. |
| hh3cNqaReactActionType (1.3.6.1.4.1.25506.8.3.1.13.1.10) | read-create | No | The value of this object can be set to "none" or "trapOnly" when the value of hh3cNqaReactCheckedElement is "icpif", "mos", "jittersd", "jitterds", "jitterpacketloss", "probetime" or "jitterrtt".  The value of this object can be set to "none", "trapOnly", "triggerOnly" or "trapAndTrigger" when the value of hh3cNqaReactCheckedElement is "probefailure".  The value of this object shouldn't be set in other cases. |
| hh3cNqaReactCurrentStatus (1.3.6.1.4.1.25506.8.3.1.13.1.11) | read-only | No | As per MIB |
| hh3cNqaReactRowStatus (1.3.6.1.4.1.25506.8.3.1.13.1.12) | read-create | No | As per MIB |
| hh3cNqaReactCheckedNum (1.3.6.1.4.1.25506.8.3.1.13.1.13) | read-only | No | As per MIB |
| hh3cNqaReactThresholdNum (1.3.6.1.4.1.25506.8.3.1.13.1.14) | read-only | No | As per MIB |

## hh3cNqaStatisticsReactionTable

OID of this table is: 1.3.6.1.4.1.25506.8.3.1.14

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cNqaStatReactOwnerIndex (1.3.6.1.4.1.25506.8.3.1.14.1.1) | not-accessible | No | As per MIB |
| hh3cNqaStatReactTestName (1.3.6.1.4.1.25506.8.3.1.14.1.2) | not-accessible | No | As per MIB |
| hh3cNqaStatReactIndex (1.3.6.1.4.1.25506.8.3.1.14.1.3) | not-accessible | No | As per MIB |
| hh3cNqaStatReactItemIndex (1.3.6.1.4.1.25506.8.3.1.14.1.4) | not-accessible | No | As per MIB |
| hh3cNqaStatReactCheckedNum (1.3.6.1.4.1.25506.8.3.1.14.1.5) | read-only | No | As per MIB |
| hh3cNqaStatReactThresholdNum (1.3.6.1.4.1.25506.8.3.1.14.1.6) | read-only | No | As per MIB |

# HH3C-PORT-SECURITY-MIB

## Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cSecurePortSecurityControl (1.3.6.1.4.1.25506.2.26.1.1.1) | read-write | current | Not Supported |
| hh3cSecurePortVlanMembershipList (1.3.6.1.4.1.25506.2.26.1.1.2) | accessible-for-notify | No | As per MIB |

## hh3cSecureRalmObjects

OID of this table is :1.3.6.1.4.1.25506.2.26.1.1.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cSecureRalmDefaultSessionTime (1.3.6.1.4.1.25506.2.26.1.1.4.1) | read-write | current | Not Supported |
| hh3cSecureRalmHoldoffTime (1.3.6.1.4.1.25506.2.26.1.1.4.2) | read-write | current | As per MIB |
| hh3cSecureRalmReauthenticate (1.3.6.1.4.1.25506.2.26.1.1.4.3) | read-write | current | Not Supported |
| hh3cSecureRalmAuthMode (1.3.6.1.4.1.25506.2.26.1.1.4.4) | read-write | current | When hh3cSecureRalmAuthMode value is set to papUsernameAsMacAddress(1), hh3cSecureRalmAuthUsername and hh3cSecureRalmAuthPassword are both changed to default values.  When hh3cSecureRalmAuthMode value is set to papUsernameFixed(2), hh3cSecureRalmAuthUsername and hh3cSecureRalmAuthPassword keep their values unchanged. |
| hh3cSecureRalmAuthUsername (1.3.6.1.4.1.25506.2.26.1.1.4.5) | read-write | current | As per MIB |
| hh3cSecureRalmAuthPassword (1.3.6.1.4.1.25506.2.26.1.1.4.6) | read-write | current | hh3cSecureRalmAuthPassword only supports simple password, and cipher password can not be got or set in MIB.  While in CLI,simple password and cipher password are both supported.  Changed the value returned by the following MIBs from a plaintext or ciphertext password to empty or "\*\*\*\*\*\*" |
| hh3cSecureRalmAuthDomain (1.3.6.1.4.1.25506.2.26.1.1.4.7) | read-write | current | As per MIB |
| hh3cSecureRalmAuthOfflineTime (1.3.6.1.4.1.25506.2.26.1.1.4.8) | read-write | current | As per MIB |
| hh3cSecureRalmAuthServerTimeoutTime (1.3.6.1.4.1.25506.2.26.1.1.4.9) | read-write | current | As per MIB |
| hh3cSecureMacControl (1.3.6.1.4.1.25506.2.26.1.1.4.10) | read-write | current | As per MIB |

## hh3cSecureBindingTable

OID of this table is :1.3.6.1.4.1.25506.2.26.1.2.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cSecureBindingIndex (1.3.6.1.4.1.25506.2.26.1.2.4.1.1) | not-accessible | Current | There are 256 rules allowed to be bound to a port, and the max value of hh3cSecureBindingIndex is 2048. |
| hh3cSecureBindingPort (1.3.6.1.4.1.25506.2.26.1.2.4.1.2) | read-create | Current | As per MIB |
| hh3cSecureBindingAddrMAC (1.3.6.1.4.1.25506.2.26.1.2.4.1.3) | read-create | Current | As per MIB |
| hh3cSecureBindingAddrIp (1.3.6.1.4.1.25506.2.26.1.2.4.1.4) | read-create | Current | As per MIB |
| hh3cSecureBindingRowStatus (1.3.6.1.4.1.25506.2.26.1.2.4.1.5) | read-create | Current | As per MIB |

# HH3C-POWER-ETH-EXT-MIB

## Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cPseAutoDetectActive (1.3.6.1.4.1.25506.2.14.3) | read-write | Current | Not supported |
| hh3cPsePowerMaxValue (1.3.6.1.4.1.25506.2.14.5) | read-write | Current | As per MIB |
| hh3cPOEThresholdACMimimum (1.3.6.1.4.1.25506.2.14.8.1.1) | read-write | Current | As per MIB |
| hh3cPOEThresholdACMaximum (1.3.6.1.4.1.25506.2.14.8.1.2) | read-write | Current | As per MIB |
| hh3cPOEThresholdDCMinimum (1.3.6.1.4.1.25506.2.14.8.1.3) | read-write | Current | As per MIB |
| hh3cPOEThresholdDCMaximum (1.3.6.1.4.1.25506.2.14.8.1.4) | read-write | Current | As per MIB |
| hh3cPOEPowerType (1.3.6.1.4.1.25506.2.14.8.2.1) | read-only | No | As per MIB |
| hh3cPOEPowerModuleNum (1.3.6.1.4.1.25506.2.14.8.2.2) | read-only | No | As per MIB |
| hh3cPOESupervisionModuleName (1.3.6.1.4.1.25506.2.14.8.2.3) | read-only | No | As per MIB |
| hh3cPOESMMajorVersion (1.3.6.1.4.1.25506.2.14.8.2.4) | read-only | No | As per MIB |
| hh3cPOESMMinorVersion (1.3.6.1.4.1.25506.2.14.8.2.5) | read-only | No | As per MIB |
| hh3cPOESMFactorName (1.3.6.1.4.1.25506.2.14.8.2.6) | read-only | No | As per MIB |
| hh3cPOEDCOutStateModuleNum (1.3.6.1.4.1.25506.2.14.8.3.1) | read-only | No | As per MIB |
| hh3cPOEDCOutCurNum (1.3.6.1.4.1.25506.2.14.8.4.1) | read-only | No | As per MIB |
| hh3cPOEACSwitchStateModuleNum (1.3.6.1.4.1.25506.2.14.8.5.1) | read-only | No | As per MIB |
| hh3cPOEInCurStateModuleNum (1.3.6.1.4.1.25506.2.14.8.6.1) | read-only | No | As per MIB |
| hh3cPOEInCurAState (1.3.6.1.4.1.25506.2.14.8.6.2) | read-only | No | As per MIB |
| hh3cPOEInCurBState (1.3.6.1.4.1.25506.2.14.8.6.3) | read-only | No | As per MIB |
| hh3cPOEInCurCState (1.3.6.1.4.1.25506.2.14.8.6.4) | read-only | No | As per MIB |
| hh3cPOEAlarmStateModuleNum (1.3.6.1.4.1.25506.2.14.8.7.1) | read-only | No | As per MIB |
| hh3cPsePolicyMode (1.3.6.1.4.1.25506.2.14.9) | read-write | Current | As per MIB |
| hh3cPDPolicyMode (1.3.6.1.4.1.25506.2.14.10) | read-write | Current | As per MIB |

## hh3cPsePortTable

OID of this table is :1.3.6.1.4.1.25506.2.14.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cPsePortFaultDescription (1.3.6.1.4.1.25506.2.14.1.1.2) | read-write | No | As per MIB |
| hh3cPsePortPeakPower (1.3.6.1.4.1.25506.2.14.1.1.3) | read-write | No | As per MIB |
| hh3cPsePortAveragePower (1.3.6.1.4.1.25506.2.14.1.1.4) | read-write | No | As per MIB |
| hh3cPsePortCurrentPower (1.3.6.1.4.1.25506.2.14.1.1.5) | read-only | No | As per MIB |
| hh3cPsePortPowerLimit (1.3.6.1.4.1.25506.2.14.1.1.6) | read-write | Current | As per MIB |
| hh3cPsePortProfileIndex (1.3.6.1.4.1.25506.2.14.1.1.7) | read-write | Current | As per MIB |

## hh3cMainPseTable

OID of this table is :1.3.6.1.4.1.25506.2.14.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cMainPsePowerLimit (1.3.6.1.4.1.25506.2.14.2.1.1) | read-write | Current | As per MIB |
| hh3cMainPseAveragePower (1.3.6.1.4.1.25506.2.14.2.1.2) | read-write | No | As per MIB |
| hh3cMainPsePeakPower (1.3.6.1.4.1.25506.2.14.2.1.3) | read-write | No | As per MIB |
| hh3cMainGuaranteedPowerRemaining (1.3.6.1.4.1.25506.2.14.2.1.4) | read-only | No | As per MIB |
| hh3cMainPsePriorityMode (1.3.6.1.4.1.25506.2.14.2.1.5) | read-write | Current | Not supported |
| hh3cMainPseLegacy (1.3.6.1.4.1.25506.2.14.2.1.6) | read-write | Current | As per MIB |
| hh3cMainPsePowerPriority (1.3.6.1.4.1.25506.2.14.2.1.7) | read-write | Current | As per MIB |

## hh3cPseProfilesTable

OID of this table is :1.3.6.1.4.1.25506.2.14.7

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cPseProfileIndex (1.3.6.1.4.1.25506.2.14.7.1.1) | not-accessible | No | As per MIB |
| hh3cPseProfileName (1.3.6.1.4.1.25506.2.14.7.1.2) | read-create | Current | As per MIB |
| hh3cPseProfilePowerMode (1.3.6.1.4.1.25506.2.14.7.1.3) | read-create | Current | As per MIB |
| hh3cPseProfilePowerLimit (1.3.6.1.4.1.25506.2.14.7.1.4) | read-create | Current | As per MIB |
| hh3cPseProfilePriority (1.3.6.1.4.1.25506.2.14.7.1.5) | read-create | Current | As per MIB |
| hh3cPseProfilePairs (1.3.6.1.4.1.25506.2.14.7.1.6) | read-create | Current | As per MIB |
| hh3cPseProfileApplyNum (1.3.6.1.4.1.25506.2.14.7.1.7) | read-only | No | As per MIB |
| hh3cPseProfileRowStatus (1.3.6.1.4.1.25506.2.14.7.1.8) | read-create | Current | Only used to create poe-profile or delete poe-profile. |

## hh3cPOEModuleInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.14.8.2.7

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cPOEModuleIndex (1.3.6.1.4.1.25506.2.14.8.2.7.1.1) | accessible-for-notify | No | As per MIB |
| hh3cPOEModuleID (1.3.6.1.4.1.25506.2.14.8.2.7.1.2) | read-only | No | As per MIB |
| hh3cPOEModuleInfoPower (1.3.6.1.4.1.25506.2.14.8.2.7.1.3) | read-only | No | As per MIB |
| hh3cPOEModuleHardVerInfo (1.3.6.1.4.1.25506.2.14.8.2.7.1.4) | read-only | No | As per MIB |

## hh3cPOEDCOutStateTable

OID of this table is :1.3.6.1.4.1.25506.2.14.8.3.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cPOEDCOutStateIndex (1.3.6.1.4.1.25506.2.14.8.3.2.1.1) | accessible-for-notify | No | As per MIB |
| hh3cPOEDCOutDCVolAlarm (1.3.6.1.4.1.25506.2.14.8.3.2.1.2) | read-only | No | As per MIB |

## hh3cPOEDCOutInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.14.8.4.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cPOEDCOutInfoIndex (1.3.6.1.4.1.25506.2.14.8.4.2.1.1) | accessible-for-notify | No | As per MIB |
| hh3cPOEDCOutVol (1.3.6.1.4.1.25506.2.14.8.4.2.1.2) | read-only | No | As per MIB |
| hh3cPOEDCOutInfoLoadCur (1.3.6.1.4.1.25506.2.14.8.4.2.1.3) | read-only | No | As per MIB |

## hh3cPOEACSwitchStateTable

OID of this table is :1.3.6.1.4.1.25506.2.14.8.5.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cPOEACSwitchStateIndex (1.3.6.1.4.1.25506.2.14.8.5.2.1.1) | accessible-for-notify | No | As per MIB |
| hh3cPOEACSwitchState (1.3.6.1.4.1.25506.2.14.8.5.2.1.2) | read-only | No | As per MIB |

## hh3cPOESwitchStateVolExTable

OID of this table is :1.3.6.1.4.1.25506.2.14.8.6.5

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cPOESwitchStateVolExIndex (1.3.6.1.4.1.25506.2.14.8.6.5.1.1) | accessible-for-notify | No | As per MIB |
| hh3cPOESwitchStateInVolAB (1.3.6.1.4.1.25506.2.14.8.6.5.1.2) | read-only | No | As per MIB |
| hh3cPOESwitchStateInVolBC (1.3.6.1.4.1.25506.2.14.8.6.5.1.3) | read-only | No | As per MIB |
| hh3cPOESwitchStateInVolCA (1.3.6.1.4.1.25506.2.14.8.6.5.1.4) | read-only | No | As per MIB |

## hh3cPOEAlarmStateInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.14.8.7.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cPOEAlarmModuleInfoIndex (1.3.6.1.4.1.25506.2.14.8.7.2.1.1) | accessible-for-notify | No | As per MIB |
| hh3cPOEModuleDisconnect (1.3.6.1.4.1.25506.2.14.8.7.2.1.2) | read-only | No | As per MIB |
| hh3cPOEModuleInputError (1.3.6.1.4.1.25506.2.14.8.7.2.1.3) | read-only | No | As per MIB |
| hh3cPOEModuleOutputError (1.3.6.1.4.1.25506.2.14.8.7.2.1.4) | read-only | No | As per MIB |
| hh3cPOEModuleOverVoltage (1.3.6.1.4.1.25506.2.14.8.7.2.1.5) | read-only | No | As per MIB |
| hh3cPOEModuleOverTemp (1.3.6.1.4.1.25506.2.14.8.7.2.1.6) | read-only | No | As per MIB |
| hh3cPOEModuleFanError (1.3.6.1.4.1.25506.2.14.8.7.2.1.7) | read-only | No | As per MIB |
| hh3cPOEModuleShutdown (1.3.6.1.4.1.25506.2.14.8.7.2.1.8) | read-only | No | As per MIB |
| hh3cPOEModuleCurRestricted (1.3.6.1.4.1.25506.2.14.8.7.2.1.9) | read-only | No | As per MIB |

# HH3C-QINQ-MIB

A QINQ MIB, includes configuration of IEEE802.1Q-in-Q tunnel related functions.

## Scalar Objdecs

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cQinQBpduTunnelSwitch (1.3.6.1.4.1.25506.2.69.1.1.1) | read-write | Current | Not supported |
| hh3cQinQEthernetTypeValue (1.3.6.1.4.1.25506.2.69.1.1.2) | read-write | Current | As per MIB |
| hh3cQinQServiceTPIDValue (1.3.6.1.4.1.25506.2.69.1.1.3) | read-write | Current | Not supported |
| hh3cQinQCustomerTPIDValue (1.3.6.1.4.1.25506.2.69.1.1.4) | read-write | Current | As per MIB |

## hh3cQinQBpduTunnelTable

OID of this table is :1.3.6.1.4.1.25506.2.69.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cQinQProtocolIndex (1.3.6.1.4.1.25506.2.69.1.2.1.1) | not-accessible | Current | Only support stp(2) |
| hh3cQinQBpduRowStatus (1.3.6.1.4.1.25506.2.69.1.2.1.2) | read-create | Current | Active, createAndGo and Destroy operation support only |

## hh3cQinQIfConfigTable

OID of this table is :1.3.6.1.4.1.25506.2.69.1.7

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cQinQIfEthernetType (1.3.6.1.4.1.25506.2.69.1.7.1.1) | read-create | Current | Not supported. |
| hh3cQinQIfSwitch (1.3.6.1.4.1.25506.2.69.1.7.1.2) | read-create | Current | As per MIB |
| hh3cQinQIfRowStatus (1.3.6.1.4.1.25506.2.69.1.7.1.3) | read-create | Current | Active, createAndGo and Destroy operation support only |
| hh3cQinQIfServiceTPIDValue (1.3.6.1.4.1.25506.2.69.1.7.1.4) | read-create | Current | As per MIB |
| hh3cQinQIfCustomerTPIDValue (1.3.6.1.4.1.25506.2.69.1.7.1.5) | read-create | Current | Not supported |
| hh3cQinQIfUplinkSwitch (1.3.6.1.4.1.25506.2.69.1.7.1.6) | read-create | Current | As per MIB |
| hh3cQinQIfDownlinkSwitch (1.3.6.1.4.1.25506.2.69.1.7.1.7) | read-create | Current | As per MIB |

# HH3C-QOS-CAPABILITY-MIB

## hh3cQoSCapabilityTable

OID of this table is :1.3.6.1.4.1.25506.7.1.1.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cQoSCapabilityPhysicalType (1.3.6.1.4.1.25506.7.1.1.1.1.1.1) | not-accessible | Yes | As per MIB |
| hh3cQoSCapabilityPhysicalIndex (1.3.6.1.4.1.25506.7.1.1.1.1.1.2) | not-accessible | Yes | As per MIB |
| hh3cQoSModuleIndex (1.3.6.1.4.1.25506.7.1.1.1.1.1.3) | not-accessible | Yes | As per MIB |
| hh3cQoSCharacteristicsIndex (1.3.6.1.4.1.25506.7.1.1.1.1.1.4) | not-accessible | Yes | As per MIB |
| hh3cQoSCharacteristicsValue (1.3.6.1.4.1.25506.7.1.1.1.1.1.5) | read-only | Yes | As per MIB |

# HH3C-RRPP-MIB

## Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cRrppEnableStatus (1.3.6.1.4.1.25506.2.45.1.1) | read-write | Current | As per MIB |
| hh3cRrppPassword (1.3.6.1.4.1.25506.2.45.1.2) | read-write | No | Not supported |
| hh3cRrppPasswordType (1.3.6.1.4.1.25506.2.45.1.3) | read-write | No | Not supported |
| hh3cRrppProtectVlanConfigMode (1.3.6.1.4.1.25506.2.45.1.4) | read-only | Yes | As per MIB |

## hh3cRrppDomainTable

OID of this table is :1.3.6.1.4.1.25506.2.45.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cRrppDomainID (1.3.6.1.4.1.25506.2.45.2.1.1.1) | accessible-for-notify | Current | As per MIB |
| hh3cRrppDomainControlVlanID (1.3.6.1.4.1.25506.2.45.2.1.1.2) | read-create | Current | 1. The value to be configured of this object represents the major-VLAN ID and ranges from 2 to 4093. Sub-VLAN ID is automatically set to the major-VLAN ID plus 1.  2. When a GET operation is performed, 65535 indacates that the control VLAN has not been configured; When a SET operation is performed, 65535 indacates that the control VLAN will be deleted.  3. If any ring in this domain has not configured, the control VLAN can be modified or deleted.  4. The control VLAN assigned to a RRPP Domain must not have been created and not have been reserved. |
| hh3cRrppDomainHelloTime (1.3.6.1.4.1.25506.2.45.2.1.1.3) | read-create | Current | As per MIB |
| hh3cRrppDomainFailTime (1.3.6.1.4.1.25506.2.45.2.1.1.4) | read-create | Current | As per MIB |
| hh3cRrppDomainRowStatus (1.3.6.1.4.1.25506.2.45.2.1.1.5) | read-create | Current | As per MIB |
| hh3cRrppDomainInstanceListLow (1.3.6.1.4.1.25506.2.45.2.1.1.6) | read-create | Current | As per MIB |
| hh3cRrppDomainInstanceListHigh (1.3.6.1.4.1.25506.2.45.2.1.1.7) | read-create | Current | As per MIB |
| hh3cRrppDomainProtectVlanListLow (1.3.6.1.4.1.25506.2.45.2.1.1.8) | read-create | Current | Not supported |
| hh3cRrppDomainProtectVlanListHigh (1.3.6.1.4.1.25506.2.45.2.1.1.9) | read-create | Current | Not supported |

## hh3cRrppRingTable

OID of this table is :1.3.6.1.4.1.25506.2.45.2.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cRrppRingID (1.3.6.1.4.1.25506.2.45.2.2.1.1) | accessible-for-notify | Current | As per MIB |
| hh3cRrppRingEnableStatus (1.3.6.1.4.1.25506.2.45.2.2.1.2) | read-create | Current | As per MIB |
| hh3cRrppRingActive (1.3.6.1.4.1.25506.2.45.2.2.1.3) | read-only | No | As per MIB |
| hh3cRrppRingState (1.3.6.1.4.1.25506.2.45.2.2.1.4) | read-only | No | As per MIB |
| hh3cRrppRingNodeMode (1.3.6.1.4.1.25506.2.45.2.2.1.5) | read-create | Current | As per MIB |
| hh3cRrppRingPrimaryPort (1.3.6.1.4.1.25506.2.45.2.2.1.6) | read-create | Current | 1. If the switch is a master-node or transit-node, this value is the primary port ifIndex. If the primary port does not exist, the value is 0.  2. if the switch is a edge-node or assistant-edge-node, this value is still 0. The common ports of the sub-ring are the two ports of the corresponding major-ring on this node.  3. This value can't be modified after created. |
| hh3cRrppRingSecondaryPort (1.3.6.1.4.1.25506.2.45.2.2.1.7) | read-create | Current | If the secondary port or edge port does not exist, the value of this object is 0. |
| hh3cRrppRingLevel (1.3.6.1.4.1.25506.2.45.2.2.1.8) | read-create | Current | As per MIB |
| hh3cRrppRingRowStatus (1.3.6.1.4.1.25506.2.45.2.2.1.9) | read-create | Current | As per MIB |

## hh3cRrppPortTable

OID of this table is :1.3.6.1.4.1.25506.2.45.2.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cRrppPortID (1.3.6.1.4.1.25506.2.45.2.3.1.1) | not-accessible | No | As per MIB |
| hh3cRrppPortRole (1.3.6.1.4.1.25506.2.45.2.3.1.2) | read-only | No | As per MIB |
| hh3cRrppPortState (1.3.6.1.4.1.25506.2.45.2.3.1.3) | read-only | No | As per MIB |
| hh3cRrppPortRXError (1.3.6.1.4.1.25506.2.45.2.3.1.4) | read-only | No | As per MIB |
| hh3cRrppPortRXHello (1.3.6.1.4.1.25506.2.45.2.3.1.5) | read-only | No | As per MIB |
| hh3cRrppPortRXLinkUp (1.3.6.1.4.1.25506.2.45.2.3.1.6) | read-only | No | Not supported |
| hh3cRrppPortRXLinkDown (1.3.6.1.4.1.25506.2.45.2.3.1.7) | read-only | No | As per MIB |
| hh3cRrppPortRXCommonFlush (1.3.6.1.4.1.25506.2.45.2.3.1.8) | read-only | No | As per MIB |
| hh3cRrppPortRXCompleteFlush (1.3.6.1.4.1.25506.2.45.2.3.1.9) | read-only | No | As per MIB |
| hh3cRrppPortTXHello (1.3.6.1.4.1.25506.2.45.2.3.1.10) | read-only | No | As per MIB |
| hh3cRrppPortTXLinkUp (1.3.6.1.4.1.25506.2.45.2.3.1.11) | read-only | No | Not supported |
| hh3cRrppPortTXLinkDown (1.3.6.1.4.1.25506.2.45.2.3.1.12) | read-only | No | As per MIB |
| hh3cRrppPortTXCommonFlush (1.3.6.1.4.1.25506.2.45.2.3.1.13) | read-only | No | As per MIB |
| hh3cRrppPortTXCompleteFlush (1.3.6.1.4.1.25506.2.45.2.3.1.14) | read-only | No | As per MIB |
| hh3cRrppPortRXEdgeHello (1.3.6.1.4.1.25506.2.45.2.3.1.15) | read-only | No | As per MIB |
| hh3cRrppPortRXMajorFault (1.3.6.1.4.1.25506.2.45.2.3.1.16) | read-only | No | As per MIB |
| hh3cRrppPortTXEdgeHello (1.3.6.1.4.1.25506.2.45.2.3.1.17) | read-only | No | As per MIB |
| hh3cRrppPortTXMajorFault (1.3.6.1.4.1.25506.2.45.2.3.1.18) | read-only | No | As per MIB |

# HH3C-RADIUS-MIB

A configuration management and statistical MIB, includes configuration of RADIUS Server, and statistics about Accounting Server which complements the IETF standard MIB. In addition, there are two traps supported to notify the RADIUS Server’s down state.

Note: Creating and deleting a row in either hh3cRdInfoTable or hh3cRdAccInfoTable will work on another table. That is, to create a new row in hh3cRdInfoTable, a row with the same group name will appear in hh3cRdAccInfoTable. To delete a row from hh3cRdInfoTable, corresponding row in hh3cRdAccInfoTable will be cleared away and vice versa.

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cRadiusAuthErrThreshold (1.3.6.1.4.1.25506.2.13.1.3.1) | read-create | Current | As per MIB |

## hh3cRdInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.13.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cRdGroupName (1.3.6.1.4.1.25506.2.13.1.1.1.1) | not-accessible | No | The length of this object is range from 1 to 32 |
| hh3cRdPrimAuthIp (1.3.6.1.4.1.25506.2.13.1.1.1.2) | read-create | Current | Not supported |
| hh3cRdPrimUdpPort (1.3.6.1.4.1.25506.2.13.1.1.1.3) | read-create | Current | The range of primary UDP port is from 1 to 65535. |
| hh3cRdPrimState (1.3.6.1.4.1.25506.2.13.1.1.1.4) | read-create | No | As per MIB |
| hh3cRdSecAuthIp (1.3.6.1.4.1.25506.2.13.1.1.1.5) | read-create | Current | Not supported |
| hh3cRdSecUdpPort (1.3.6.1.4.1.25506.2.13.1.1.1.6) | read-create | Current | The range of secondary UDP port is from 1 to 65535 |
| hh3cRdSecState (1.3.6.1.4.1.25506.2.13.1.1.1.7) | read-create | No | As per MIB |
| hh3cRdKey (1.3.6.1.4.1.25506.2.13.1.1.1.8) | read-create | Current | Changed the value returned by the following MIBs from a plaintext or ciphertext password to empty or "\*\*\*\*\*\*" |
| hh3cRdRetry (1.3.6.1.4.1.25506.2.13.1.1.1.9) | read-create | Current | The range of retry times is from 1 to 20 |
| hh3cRdTimeout (1.3.6.1.4.1.25506.2.13.1.1.1.10) | read-create | Current | The range is from 1 to 10 |
| hh3cRdPrimAuthIpAddrType (1.3.6.1.4.1.25506.2.13.1.1.1.11) | read-create | Current | Support IPv4 only |
| hh3cRdPrimAuthIpAddr (1.3.6.1.4.1.25506.2.13.1.1.1.12) | read-create | Current | Support IPv4 only |
| hh3cRdSecAuthIpAddrType (1.3.6.1.4.1.25506.2.13.1.1.1.13) | read-create | Current | Support IPv4 only |
| hh3cRdSecAuthIpAddr (1.3.6.1.4.1.25506.2.13.1.1.1.14) | read-create | Current | Support IPv4 only |
| hh3cRdServerType (1.3.6.1.4.1.25506.2.13.1.1.1.15) | read-create | Current | standard(1) and extended(4) are supported |
| hh3cRdQuietTime (1.3.6.1.4.1.25506.2.13.1.1.1.16) | read-create | Current | As per MIB |
| hh3cRdUserNameFormat (1.3.6.1.4.1.25506.2.13.1.1.1.17) | read-create | Current | As per MIB |
| hh3cRdRowStatus (1.3.6.1.4.1.25506.2.13.1.1.1.18) | read-create | Current | As per MIB |
| hh3cRdSecKey (1.3.6.1.4.1.25506.2.13.1.1.1.19) | read-create | Current | Changed the value returned by the following MIBs from a plaintext or ciphertext password to empty or "\*\*\*\*\*\*" |

## hh3cRdAccInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.13.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cRdAccGroupName (1.3.6.1.4.1.25506.2.13.1.2.1.1) | not-accessible | No | As per MIB |
| hh3cRdPrimAccIpAddrType (1.3.6.1.4.1.25506.2.13.1.2.1.2) | read-create | Current | Support IPv4 only |
| hh3cRdPrimAccIpAddr (1.3.6.1.4.1.25506.2.13.1.2.1.3) | read-create | Current | Support IPv4 only |
| hh3cRdPrimAccUdpPort (1.3.6.1.4.1.25506.2.13.1.2.1.4) | read-create | Current | The range of primary UDP port is from 1 to 65535 |
| hh3cRdPrimAccState (1.3.6.1.4.1.25506.2.13.1.2.1.5) | read-create | No | As per MIB |
| hh3cRdSecAccIpAddrType (1.3.6.1.4.1.25506.2.13.1.2.1.6) | read-create | Current | Support IPv4 only |
| hh3cRdSecAccIpAddr (1.3.6.1.4.1.25506.2.13.1.2.1.7) | read-create | Current | Support IPv4 only |
| hh3cRdSecAccUdpPort (1.3.6.1.4.1.25506.2.13.1.2.1.8) | read-create | Current | The range of secondary UDP port is from 1 to 65535 |
| hh3cRdSecAccState (1.3.6.1.4.1.25506.2.13.1.2.1.9) | read-create | No | As per MIB |
| hh3cRdAccKey (1.3.6.1.4.1.25506.2.13.1.2.1.10) | read-create | Current | Changed the value returned by the following MIBs from a plaintext or ciphertext password to empty or "\*\*\*\*\*\*" |
| hh3cRdAccRetry (1.3.6.1.4.1.25506.2.13.1.2.1.11) | read-create | Current | The range of retry times is from 1 to 20 |
| hh3cRdAccTimeout (1.3.6.1.4.1.25506.2.13.1.2.1.12) | read-create | Current | Range from 1 to 10 |
| hh3cRdAccServerType (1.3.6.1.4.1.25506.2.13.1.2.1.13) | read-create | Current | only standard(1) and extended(4) are supported |
| hh3cRdAccQuietTime (1.3.6.1.4.1.25506.2.13.1.2.1.14) | read-create | Current | As per MIB |
| hh3cRdAccFailureAction (1.3.6.1.4.1.25506.2.13.1.2.1.15) | read-create | Current | Not supported |
| hh3cRdAccRealTime (1.3.6.1.4.1.25506.2.13.1.2.1.16) | read-create | Current | As per MIB |
| hh3cRdAccRealTimeRetry (1.3.6.1.4.1.25506.2.13.1.2.1.17) | read-create | Current | As per MIB |
| hh3cRdAccSaveStopPktEnable (1.3.6.1.4.1.25506.2.13.1.2.1.18) | read-create | Current | As per MIB |
| hh3cRdAccStopRetry (1.3.6.1.4.1.25506.2.13.1.2.1.19) | read-create | Current | As per MIB |
| hh3cRdAccDataFlowUnit (1.3.6.1.4.1.25506.2.13.1.2.1.20) | read-create | Current | As per MIB |
| hh3cRdAccPacketUnit (1.3.6.1.4.1.25506.2.13.1.2.1.21) | read-create | Current | As per MIB |
| hh3cRdAccRowStatus (1.3.6.1.4.1.25506.2.13.1.2.1.22) | read-create | Current | As per MIB |
| hh3cRdAcctOnEnable (1.3.6.1.4.1.25506.2.13.1.2.1.23) | read-create | Current | As per MIB |

## hh3cRadiusAccServerTable

OID of this table is :1.3.6.1.4.1.25506.2.13.2.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cRadiusAccClientStartRequests (1.3.6.1.4.1.25506.2.13.2.1.1.1.1) | read-only | No | As per MIB |
| hh3cRadiusAccClientStartResponses (1.3.6.1.4.1.25506.2.13.2.1.1.1.2) | read-only | No | As per MIB |
| hh3cRadiusAccClientInterimRequests (1.3.6.1.4.1.25506.2.13.2.1.1.1.3) | read-only | No | As per MIB |
| hh3cRadiusAccClientInterimResponses (1.3.6.1.4.1.25506.2.13.2.1.1.1.4) | read-only | No | As per MIB |
| hh3cRadiusAccClientStopRequests (1.3.6.1.4.1.25506.2.13.2.1.1.1.5) | read-only | No | As per MIB |
| hh3cRadiusAccClientStopResponses (1.3.6.1.4.1.25506.2.13.2.1.1.1.6) | read-only | No | As per MIB |

## hh3cRadiusAuthServerTable

OID of this table is :1.3.6.1.4.1.25506.2.13.4.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cRadiusAuthFailureTimes (1.3.6.1.4.1.25506.2.13.4.1.1.1.1) | read-only | No | As per MIB |
| hh3cRadiusAuthTimeoutTimes (1.3.6.1.4.1.25506.2.13.4.1.1.1.2) | read-only | No | As per MIB |
| hh3cRadiusAuthRejectTimes (1.3.6.1.4.1.25506.2.13.4.1.1.1.3) | read-only | No | As per MIB |

# HH3C-PROTOCOL-VLAN-MIB

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cProtocolNumAllVlan (1.3.6.1.4.1.25506.2.16.1.1) | read-only | Current | As per MIB |
| hh3cProtocolNumPerVlan (1.3.6.1.4.1.25506.2.16.1.2) | read-only | Current | As per MIB |
| hh3cProtocolNumAllPort (1.3.6.1.4.1.25506.2.16.1.3) | read-only | Current | Not supported |
| hh3cProtocolNumPerPort (1.3.6.1.4.1.25506.2.16.1.4) | read-only | Current | Not supported |
| hh3cDifferentProtocolNumAllPort (1.3.6.1.4.1.25506.2.16.1.7) | read-only | Current | Not supported |

## hh3cProtocolVlanTable

OID of this table is :1.3.6.1.4.1.25506.2.16.1.5

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cProtocolVlanVlanId (1.3.6.1.4.1.25506.2.16.1.5.1.1) | not-accessible | Current | As per MIB |
| hh3cProtocolVlanProtocolIndex (1.3.6.1.4.1.25506.2.16.1.5.1.2) | not-accessible | Current | As per MIB |
| hh3cProtocolVlanProtocolType (1.3.6.1.4.1.25506.2.16.1.5.1.3) | read-create | Current | Support creation but not support modification  The value: ip(1) only stands for ipV4 and has no relationship with ipV4 subnet or ipV6 subnet |
| hh3cProtocolVlanProtocolSubType (1.3.6.1.4.1.25506.2.16.1.5.1.4) | read-create | Current | Support creation but not support modification |
| hh3cProtocolVlanProtocolTypeValue (1.3.6.1.4.1.25506.2.16.1.5.1.5) | read-create | Current | Support creation but not support modification |
| hh3cProtocolVlanRowStatus (1.3.6.1.4.1.25506.2.16.1.5.1.6) | read-create | No | As per MIB |

## hh3cProtocolVlanPortTable

OID of this table is :1.3.6.1.4.1.25506.2.16.1.6

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cProtocolVlanPortIndex (1.3.6.1.4.1.25506.2.16.1.6.1.1) | not-accessible | Current | As per MIB |
| hh3cProtocolVlanPortVlanId (1.3.6.1.4.1.25506.2.16.1.6.1.2) | not-accessible | Current | As per MIB |
| hh3cProtocolVlanPortProtocolId (1.3.6.1.4.1.25506.2.16.1.6.1.3) | not-accessible | Current | As per MIB |
| hh3cProtocolVlanPortProtocolType (1.3.6.1.4.1.25506.2.16.1.6.1.4) | read-only | Current | The value: ip(1) only stands for ipV4 and has no relationship with ipV4 subnet or ipV6 subnet |
| hh3cProtocolVlanPortProtocolSubType (1.3.6.1.4.1.25506.2.16.1.6.1.5) | read-only | Current | As per MIB |
| hh3cProtocolVlanPortTypeValue (1.3.6.1.4.1.25506.2.16.1.6.1.6) | read-only | Current | As per MIB |
| hh3cProtocolVlanPortRowStatus (1.3.6.1.4.1.25506.2.16.1.6.1.7) | read-create | No | As per MIB |

# HH3C-SUBNET-VLAN-MIB

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cSubnetNumAllVlan (1.3.6.1.4.1.25506.2.61.1.1.1) | read-only | Current | As per MIB |
| hh3cSubnetNumPerVlan (1.3.6.1.4.1.25506.2.61.1.1.2) | read-only | Current | As per MIB |
| hh3cSubnetNumAllPort (1.3.6.1.4.1.25506.2.61.1.1.3) | read-only | Current | Not supported |
| hh3cSubnetNumPerPort (1.3.6.1.4.1.25506.2.61.1.1.4) | read-only | Current | Not supported |

## hh3cSubnetVlanTable

OID of this table is :1.3.6.1.4.1.25506.2.61.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cSubnetVlanVlanId (1.3.6.1.4.1.25506.2.61.1.2.1.1) | not-accessible | Current | As per MIB |
| hh3cSubnetVlanSubnetIndex (1.3.6.1.4.1.25506.2.61.1.2.1.2) | not-accessible | Current | As per MIB |
| hh3cSubnetVlanVlanIpAddressType (1.3.6.1.4.1.25506.2.61.1.2.1.3) | read-create | Current | Support creation but not support modification |
| hh3cSubnetVlanIpAddressValue (1.3.6.1.4.1.25506.2.61.1.2.1.4) | read-create | Current | Support creation but not support modification |
| hh3cSubnetVlanNetMaskValue (1.3.6.1.4.1.25506.2.61.1.2.1.5) | read-create | Current | Support creation but not support modification |
| hh3cSubnetVlanRowStatus (1.3.6.1.4.1.25506.2.61.1.2.1.6) | read-create | No | As per MIB |

## hh3cSubnetVlanPortCreateTable

OID of this table is :1.3.6.1.4.1.25506.2.61.1.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cSubnetVlanPortCreateIndex (1.3.6.1.4.1.25506.2.61.1.3.1.1) | not-accessible | Current | As per MIB |
| hh3cSubnetVlanPortCreateVlanId (1.3.6.1.4.1.25506.2.61.1.3.1.2) | not-accessible | Current | As per MIB |
| hh3cSubnetVlanPortInfoVlanId (1.3.6.1.4.1.25506.2.61.1.3.1.3) | read-only | Current | As per MIB |
| hh3cSubnetVlanPortRowStatus (1.3.6.1.4.1.25506.2.61.1.3.1.4) | read-create | No | As per MIB |

# HH3C-UI-MAN-MIB

This MIB is used to manage user interfaces.

## Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cTerminalUserName (1.3.6.1.4.1.25506.2.2.1.1.2.1) | accessible-for-notify | Current | As per MIB |
| hh3cTerminalSource (1.3.6.1.4.1.25506.2.2.1.1.2.2) | accessible-for-notify | Current | As per MIB |
| hh3cTerminalUserAuthFailureReason (1.3.6.1.4.1.25506.2.2.1.1.2.3) | accessible-for-notify | Current | As per MIB |

## hh3cVtyAccTable

OID of this table is :1.3.6.1.4.1.25506.2.2.1.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cVtyAccUserIndex (1.3.6.1.4.1.25506.2.2.1.2.1.1.1) | not-accessible | No | As per MIB |
| hh3cVtyAccConnway (1.3.6.1.4.1.25506.2.2.1.2.1.1.2) | not-accessible | Current | INTEGER  {  inbound(1),  outbound(2),  linkinbound(3),  acl6inbound(11) ,  acl6outbound(12)  }  inbound(1),  outbound(2),  for IPV4 ACL  linkinbound(3)  for LINK ACL  acl6inbound(11),  acl6outbound(12)  for IPV6 ACL |
| hh3cVtyAccAclNum (1.3.6.1.4.1.25506.2.2.1.2.1.1.3) | read-create | Current | Only support read operation. |

# HH3C-USER-MIB

This MIB is used to manage local users.

## Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cUserMaxNum (1.3.6.1.4.1.25506.2.12.1.3) | read-only | No | As per MIB |
| hh3cUserCurrNum (1.3.6.1.4.1.25506.2.12.1.4) | read-only | Current | As per MIB |
| hh3cUserIndexIndicator (1.3.6.1.4.1.25506.2.12.1.5) | read-only | Current | As per MIB |

## hh3cUserInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.12.1.1

If hh3cUserPassword and hh3cAuthMode would be set, they must be set simultaneously.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cUserName (1.3.6.1.4.1.25506.2.12.1.1.1.1) | read-create | Current | The value could not be null, and could not be “a”, “al” and “all”.  The value could not contain some characters, such as ‘\’, ‘/’, ‘:’, ‘\*’, ‘?’, ‘”’, ‘<’, ‘>’ ,‘|’ and’@’ etc.  The length of the value must no more than 55.  The user name which will be created must not be existed, and it is case sensitive.  Can not be modified after creation. |
| hh3cUserPassword (1.3.6.1.4.1.25506.2.12.1.1.1.2) | read-create | Current | Changed the value returned by the following MIBs from a plaintext or ciphertext password to empty or "\*\*\*\*\*\*" |
| hh3cAuthMode (1.3.6.1.4.1.25506.2.12.1.1.1.3) | read-create | Current | The value must be 0 or 7. |
| hh3cUserLevel (1.3.6.1.4.1.25506.2.12.1.1.1.4) | read-create | Current | As per MIB |
| hh3cUserState (1.3.6.1.4.1.25506.2.12.1.1.1.5) | read-create | Current | As per MIB |
| hh3cUserInfoRowStatus (1.3.6.1.4.1.25506.2.12.1.1.1.6) | read-create | Current | As per MIB |
| hh3cUserIndex (1.3.6.1.4.1.25506.2.12.1.1.1.7) | not-accessible | Current | The value can’t be saved. |

## hh3cUserAttributeTable

OID of this table is :1.3.6.1.4.1.25506.2.12.1.2

hh3cSlotNum, hh3cSubSlotNum, and hh3cPortNum must be set simultaneously.

If hh3cNasIPAddress would be set, then hh3cSlotNum, hh3cSubSlotNum, and hh3cPortNum must be set simultaneously.

If hh3cFtpDirectory would be set, hh3cFtpService must be set simultaneously.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cAccessLimit (1.3.6.1.4.1.25506.2.12.1.2.1.1) | read-write | Current | The maximum user number of current user who can access devices. Default is 0, means no limit. Range from 0 to 1024. |
| hh3cIdleCut (1.3.6.1.4.1.25506.2.12.1.2.1.2) | read-write | Current | It is suggested that value of this object should be set as a multiple of 60(from 60 to 7200). A value not multiple of 60 will be rounded to the value proximally to multiple of 60. For example, if 75 set to the object, it will be rounded down to 60 seconds, set operation will succeed, get operation will return 60. |
| hh3cIPAddress (1.3.6.1.4.1.25506.2.12.1.2.1.3) | read-write | Current | Set local user's ip address.  The default value is 0.0.0.0. |
| hh3cNasIPAddress (1.3.6.1.4.1.25506.2.12.1.2.1.4) | read-write | Current | As per MIB |
| hh3cSlotNum (1.3.6.1.4.1.25506.2.12.1.2.1.5) | read-write | Current | Local user's slot. Range from 0 to 15. |
| hh3cSubSlotNum (1.3.6.1.4.1.25506.2.12.1.2.1.6) | read-write | Current | Local user's sub-slot. |
| hh3cPortNum (1.3.6.1.4.1.25506.2.12.1.2.1.7) | read-write | Current | Local user's port number. Range from 0 to 255. |
| hh3cMacAddress (1.3.6.1.4.1.25506.2.12.1.2.1.8) | read-write | Current | As per MIB |
| hh3cVlan (1.3.6.1.4.1.25506.2.12.1.2.1.9) | read-write | Current | As per MIB |
| hh3cFtpService (1.3.6.1.4.1.25506.2.12.1.2.1.10) | read-write | Current | The default value is disable(2). |
| hh3cFtpDirectory (1.3.6.1.4.1.25506.2.12.1.2.1.11) | read-write | Current | The maximum length of the directory is 135. |
| hh3cLanAccessService (1.3.6.1.4.1.25506.2.12.1.2.1.12) | read-write | Current | As per MIB |
| hh3cSshService (1.3.6.1.4.1.25506.2.12.1.2.1.13) | read-write | Current | As per MIB |
| hh3cTelnetService (1.3.6.1.4.1.25506.2.12.1.2.1.14) | read-write | Current | As per MIB |
| hh3cTerminalService (1.3.6.1.4.1.25506.2.12.1.2.1.15) | read-write | Current | As per MIB |
| hh3cExpirationDate (1.3.6.1.4.1.25506.2.12.1.2.1.16) | read-write | Current | As per MIB |
| hh3cUserGroup (1.3.6.1.4.1.25506.2.12.1.2.1.17) | read-write | Current | The maximum length of the group name is 32. |
| hh3cPortalService (1.3.6.1.4.1.25506.2.12.1.2.1.18) | read-write | Current | As per MIB |

## hh3cUserGroupInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.12.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cUserGroupName (1.3.6.1.4.1.25506.2.12.2.1.1.1) | not-accessible | Current | As per MIB |
| hh3cUserGroupInfoRowStatus (1.3.6.1.4.1.25506.2.12.2.1.1.2) | read-create | Current | As per MIB |

# HH3C-NTP-MIB

## hh3cNTPSystemMIBObjects

OID of this table is :1.3.6.1.4.1.25506.8.22.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cNTPSysLeap (1.3.6.1.4.1.25506.8.22.1.1.1) | read-only | Current | As per MIB |
| hh3cNTPSysStratum (1.3.6.1.4.1.25506.8.22.1.1.2) | read-only | Current | As per MIB |
| hh3cNTPSysPrecision (1.3.6.1.4.1.25506.8.22.1.1.3) | read-only | Current | As per MIB |
| hh3cNTPSysRootdelay (1.3.6.1.4.1.25506.8.22.1.1.4) | read-only | Current | Root Delay: This is a signed fixed-point number indicating the total roundtrip delay to the primary reference source at the root of the synchronization subnet, in milliseconds. Note that this variable can take on both positive and negative values, depending on clock precision and skew. |
| hh3cNTPSysRootdispersion (1.3.6.1.4.1.25506.8.22.1.1.5) | read-only | Current | Root Dispersion: This is a signed fixed-point number indicating the maximum error relative to the primary reference source at the root of the synchronization subnet, in milliseconds. Only positive values greater than zero are possible. |
| hh3cNTPSysRefid (1.3.6.1.4.1.25506.8.22.1.1.6) | read-only | Current | As per MIB |
| hh3cNTPSysReftime (1.3.6.1.4.1.25506.8.22.1.1.7) | read-only | Current | As per MIB |
| hh3cNTPSysPoll (1.3.6.1.4.1.25506.8.22.1.1.8) | read-only | Current | As per MIB |
| hh3cNTPSysPeer (1.3.6.1.4.1.25506.8.22.1.1.9) | read-only | Current | As per MIB |
| hh3cNTPSysState (1.3.6.1.4.1.25506.8.22.1.1.10) | read-only | Current | As per MIB |
| hh3cNTPSysOffset (1.3.6.1.4.1.25506.8.22.1.1.11) | read-only | Current | The offset of two clocks is the time difference between them, in milliseconds. |
| hh3cNTPSysDrift (1.3.6.1.4.1.25506.8.22.1.1.12) | read-only | Current | As per MIB |
| hh3cNTPSysCompliance (1.3.6.1.4.1.25506.8.22.1.1.13) | read-only | Current | As per MIB |
| hh3cNTPSysClock (1.3.6.1.4.1.25506.8.22.1.1.14) | read-only | Current | As per MIB |
| hh3cNTPSysStabil (1.3.6.1.4.1.25506.8.22.1.1.15) | read-only | Current | As per MIB |
| hh3cNTPSysAuthenticate (1.3.6.1.4.1.25506.8.22.1.1.16) | read-write | Current | As per MIB |
| hh3cNTPSysPollSec  (1.3.6.1.4.1.25506.8.22.1.1.17) | read-write | Current | As per MIB |
| hh3cNTPSysClockSec  (1.3.6.1.4.1.25506.8.22.1.1.18) | read-only | Current | As per MIB |
| hh3cNTPServerIP  (1.3.6.1.4.1.25506.8.22.1.1.19) | read-write | Current | As per MIB |

# hh3cNTPPeerTable

OID of this table is :1.3.6.1.4.1.25506.8.22.2.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cNTPPeerConfig (1.3.6.1.4.1.25506.8.22.2.1.1.1.1) | read-only | No | As per MIB |
| hh3cNTPPeerAuthenable (1.3.6.1.4.1.25506.8.22.2.1.1.1.2) | read-only | No | As per MIB |
| hh3cNTPPeerAuthentic (1.3.6.1.4.1.25506.8.22.2.1.1.1.3) | read-only | No | As per MIB |
| hh3cNTPPeerRemAdr (1.3.6.1.4.1.25506.8.22.2.1.1.1.4) | not-accessible | No | As per MIB |
| hh3cNTPPeerRemPort (1.3.6.1.4.1.25506.8.22.2.1.1.1.5) | read-only | No | As per MIB |
| hh3cNTPPeerLocAdr (1.3.6.1.4.1.25506.8.22.2.1.1.1.6) | read-only | No | As per MIB |
| hh3cNTPPeerLocPort (1.3.6.1.4.1.25506.8.22.2.1.1.1.7) | read-only | No | As per MIB |
| hh3cNTPPeerLeap (1.3.6.1.4.1.25506.8.22.2.1.1.1.8) | read-only | No | As per MIB |
| hh3cNTPPeerHMode (1.3.6.1.4.1.25506.8.22.2.1.1.1.9) | not-accessible | No | As per MIB |
| hh3cNTPPeerStratum (1.3.6.1.4.1.25506.8.22.2.1.1.1.10) | read-only | No | As per MIB |
| hh3cNTPPeerPPoll (1.3.6.1.4.1.25506.8.22.2.1.1.1.11) | read-only | No | As per MIB |
| hh3cNTPPeerHPoll (1.3.6.1.4.1.25506.8.22.2.1.1.1.12) | read-only | No | As per MIB |
| hh3cNTPPeerPrecision (1.3.6.1.4.1.25506.8.22.2.1.1.1.13) | read-only | No | As per MIB |
| hh3cNTPPeerRootDelay (1.3.6.1.4.1.25506.8.22.2.1.1.1.14) | read-only | No | This is a signed fixed-point number indicating the total roundtrip delay to the primary reference source at the root of the synchronization subnet, in milliseconds. Note that this variable can take on both positive and negative values, depending on clock precision and skew. |
| hh3cNTPPeerRootDispersion (1.3.6.1.4.1.25506.8.22.2.1.1.1.15) | read-only | No | This is a signed fixed-point number indicating the maximum error of the peer clock relative to the primary reference source at the root of the synchronization subnet, in milliseconds. Only positive values greater than zero are possible. |
| hh3cNTPPeerRefId (1.3.6.1.4.1.25506.8.22.2.1.1.1.16) | read-only | No | As per MIB |
| hh3cNTPPeerRefTime (1.3.6.1.4.1.25506.8.22.2.1.1.1.17) | read-only | No | As per MIB |
| hh3cNTPPeerOrg (1.3.6.1.4.1.25506.8.22.2.1.1.1.18) | read-only | No | As per MIB |
| hh3cNTPPeerRec (1.3.6.1.4.1.25506.8.22.2.1.1.1.19) | read-only | No | As per MIB |
| hh3cNTPPeerXmt (1.3.6.1.4.1.25506.8.22.2.1.1.1.20) | read-only | No | As per MIB |
| hh3cNTPPeerReach (1.3.6.1.4.1.25506.8.22.2.1.1.1.21) | read-only | No | As per MIB |
| hh3cNTPPeerValid (1.3.6.1.4.1.25506.8.22.2.1.1.1.22) | read-only | No | As per MIB |
| hh3cNTPPeerTimer (1.3.6.1.4.1.25506.8.22.2.1.1.1.23) | read-only | No | As per MIB |
| hh3cNTPPeerDelay (1.3.6.1.4.1.25506.8.22.2.1.1.1.24) | read-only | No | This is a signed fixed-point number indicating the roundtrip delay of the peer clock relative to the local clock over the network path between them, in milliseconds. Note that this variable can take on both positive and negative values, depending on clock precision and skew-error accumulation. |
| hh3cNTPPeerOffset (1.3.6.1.4.1.25506.8.22.2.1.1.1.25) | read-only | No | This is a signed, fixed-point number indicating the offset of the peer clock relative to the local clock, in milliseconds. |
| hh3cNTPPeerJitter (1.3.6.1.4.1.25506.8.22.2.1.1.1.26) | read-only | No | As per MIB |
| hh3cNTPPeerDispersion (1.3.6.1.4.1.25506.8.22.2.1.1.1.27) | read-only | No | This is a signed fixed-point number indicating the maximum error of the peer clock relative to the local clock over the network path between them, in milliseconds.Only positive values greater than zero are possible. |
| hh3cNTPPeerKeyId (1.3.6.1.4.1.25506.8.22.2.1.1.1.28) | read-only | No | As per MIB |
| hh3cNTPPeerFiltDelay (1.3.6.1.4.1.25506.8.22.2.1.1.1.29) | read-only | No | Round-trip delay of the peer clock relative to the local clock over the network path between them, in milliseconds. This variable can take on both positive and negative values, depending on clock precision and skew-error accumulation. |
| hh3cNTPPeerFiltOffset (1.3.6.1.4.1.25506.8.22.2.1.1.1.30) | read-only | No | The offset of the peer clock relative to the local clock in milliseconds. |
| hh3cNTPPeerFiltError (1.3.6.1.4.1.25506.8.22.2.1.1.1.31) | read-only | No | The maximum error of the peer clock relative to the local clock over the network path between them, in milliseconds. Only positive values greater than zero are possible. |
| hh3cNTPPeerPMode (1.3.6.1.4.1.25506.8.22.2.1.1.1.32) | read-only | No | As per MIB |
| hh3cNTPPeerReceived (1.3.6.1.4.1.25506.8.22.2.1.1.1.33) | read-only | No | As per MIB |
| hh3cNTPPeerSent (1.3.6.1.4.1.25506.8.22.2.1.1.1.34) | read-only | No | As per MIB |
| hh3cNTPPeerFlash (1.3.6.1.4.1.25506.8.22.2.1.1.1.35) | read-only | No | As per MIB |
| hh3cNTPPeerRowStatus (1.3.6.1.4.1.25506.8.22.2.1.1.1.36) | read-create | No | Now only support active, createAndGo and destroy. If the value of hh3cNTPPeerHMode is broadcast, broadcastclient or multicastclient, this node only support read operation |

# HH3C-DHCPRELAY-MIB

## hh3cDHCPRStatisticsGroup

OID of this table is :1.3.6.1.4.1.25506.2.58.1.6

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDHCPRRxClientPktNum (1.3.6.1.4.1.25506.2.58.1.6.1) | read-only | No | The total number of the packets received from DHCP clients by DHCP Relay |
| hh3cDHCPRTxClientPktNum (1.3.6.1.4.1.25506.2.58.1.6.2) | read-only | No | The total number of the brodcast packets transmitted to DHCP clients by DHCP Relay |
| hh3cDHCPRRxServerPktNum (1.3.6.1.4.1.25506.2.58.1.6.3) | read-only | No | The total number of the packets received from DHCP Servers by DHCP Relay |
| hh3cDHCPRTxServerPktNum (1.3.6.1.4.1.25506.2.58.1.6.4) | read-only | No | The total number of the packets transmitted to DHCP Servers by DHCP Relay |
| hh3cDHCPRDiscoverPktNum (1.3.6.1.4.1.25506.2.58.1.6.5) | read-only | No | The total number of the DHCP Discover packets handled by DHCP Relay |
| hh3cDHCPRRequestPktNum (1.3.6.1.4.1.25506.2.58.1.6.6) | read-only | No | The total number of the DHCP Request packets handled by DHCP Relay |
| hh3cDHCPRDeclinePktNum (1.3.6.1.4.1.25506.2.58.1.6.7) | read-only | No | The total number of the DHCP Decline packets handled by DHCP Relay |
| hh3cDHCPRReleasePktNum (1.3.6.1.4.1.25506.2.58.1.6.8) | read-only | No | The total number of the DHCP Release packets handled by DHCP Relay |
| hh3cDHCPRInformPktNum (1.3.6.1.4.1.25506.2.58.1.6.9) | read-only | No | The total number of the DHCP Inform packets handled by DHCP Relay |
| hh3cDHCPROfferPktNum (1.3.6.1.4.1.25506.2.58.1.6.10) | read-only | No | The total number of the DHCP Offer packets handled by DHCP Relay |
| hh3cDHCPRAckPktNum (1.3.6.1.4.1.25506.2.58.1.6.11) | read-only | No | The total number of the DHCP Ack packets handled by DHCP Relay |
| hh3cDHCPRNakPktNum (1.3.6.1.4.1.25506.2.58.1.6.12) | read-only | No | The total number of the DHCP Nak packets handled by DHCP Relay |
| hh3cDHCPRStatisticsReset (1.3.6.1.4.1.25506.2.58.1.6.13) | write-only | No | This node only supports set operation.If the value is true,it will clear all of the packet statistics |

## hh3cDHCPRIfSelectTable

OID of this table is :1.3.6.1.4.1.25506.2.58.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDHCPRIfSelectRelayMode (1.3.6.1.4.1.25506.2.58.1.1.1.1) | read-write | Current | The default value is off(2) |

## hh3cDHCPRIpToGroupTable

OID of this table is :1.3.6.1.4.1.25506.2.58.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDHCPRIpToGroupGroupId (1.3.6.1.4.1.25506.2.58.1.2.1.1) | not-accessible | Current | Range from 0 to 19 |
| hh3cDHCPRIpToGroupServerIpType (1.3.6.1.4.1.25506.2.58.1.2.1.2) | not-accessible | Current | Ip address type of DHCP Server |
| hh3cDHCPRIpToGroupServerIp (1.3.6.1.4.1.25506.2.58.1.2.1.3) | not-accessible | Current | Range from 1 to 64 |
| hh3cDHCPRIpToGroupRowStatus (1.3.6.1.4.1.25506.2.58.1.2.1.4) | read-create | Current | Only support active,createAndGo,destroy |

## hh3cDHCPRIfToGroupTable

OID of this table is :1.3.6.1.4.1.25506.2.58.1.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDHCPRIfToGroupGroupId (1.3.6.1.4.1.25506.2.58.1.3.1.1) | read-write | Current | Range from 0 to 19 |
| hh3cDHCPRIfToGroupRowStatus (1.3.6.1.4.1.25506.2.58.1.3.1.2) | read-create | Current | Only support active,createAndGo,destroy |

## hh3cDHCPRAddrCheckTable

OID of this table is :1.3.6.1.4.1.25506.2.58.1.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDHCPRAddrCheckSwitch (1.3.6.1.4.1.25506.2.58.1.4.1.1) | read-write | Current | The default value is disable(2) |

## hh3cDHCPRSecurityTable

OID of this table is :1.3.6.1.4.1.25506.2.58.1.5

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDHCPRSecurityClientIpAddrType (1.3.6.1.4.1.25506.2.58.1.5.1.1) | not-accessible | Current | DHCP client's net ip address type |
| hh3cDHCPRSecurityClientIpAddr (1.3.6.1.4.1.25506.2.58.1.5.1.2) | not-accessible | Current | Range from 1 to 64 |
| hh3cDHCPRSecurityClientMacAddr (1.3.6.1.4.1.25506.2.58.1.5.1.3) | read-write | Current | DHCP client's mac address |
| hh3cDHCPRSecurityClientProperty (1.3.6.1.4.1.25506.2.58.1.5.1.4) | read-only | No | Property of client address.The possible value as follows:  static(1),dynamic(2) |
| hh3cDHCPRSecurityClientRowStatus (1.3.6.1.4.1.25506.2.58.1.5.1.5) | read-create | Current | Only support active,createAndGo,destroy |

## hh3cDHCPRConfigOption82IfTable

OID of this table is :1.3.6.1.4.1.25506.2.58.1.8.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDHCPROption82IfSwitch (1.3.6.1.4.1.25506.2.58.1.8.3.1.1) | read-write | Current | As per MIB |
| hh3cDHCPROption82IfStrategy (1.3.6.1.4.1.25506.2.58.1.8.3.1.2) | read-write | Current | As per MIB |
| hh3cDHCPROption82IfFormat  (1.3.6.1.4.1.25506.2.58.1.8.3.1.3) | read-write | Current | As per MIB |
| hh3cDHCPROption82IfNodeType (1.3.6.1.4.1.25506.2.58.1.8.3.1.4) | read-write | Current | As per MIB |
| hh3cDHCPROption82IfUsrDefString (1.3.6.1.4.1.25506.2.58.1.8.3.1.5) | read-write | Current | Range from 1 to 50. |

# HH3C-DLDP-MIB

## Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDLDPWorkMode (1.3.6.1.4.1.25506.2.43.1.1.1) | read-write | Current | As per MIB |
| hh3cDLDPSystemEnable (1.3.6.1.4.1.25506.2.43.1.1.2) | read-write | No | Not supported |
| hh3cDLDPSystemReset (1.3.6.1.4.1.25506.2.43.1.1.3) | read-write | No | As per MIB |
| hh3cDLDPInterval (1.3.6.1.4.1.25506.2.43.1.1.4) | read-write | Current | As per MIB |
| hh3cDLDPAuthenticationMode (1.3.6.1.4.1.25506.2.43.1.1.5) | read-write | Current | If the value to be set is simple or MD5，this node must be bound together with hh3cDLDPAuthenticationPassword. |
| hh3cDLDPAuthenticationPassword (1.3.6.1.4.1.25506.2.43.1.1.6) | read-write | Current | The length of the password to be set can be no more than 16 characters or equal to 24 characters.When equal to 24 characters, hh3cDLDPAuthenticationMode must be MD5 and the password must be a cipher text string. |
| hh3cDLDPUnidirectionalShutdown (1.3.6.1.4.1.25506.2.43.1.1.7) | read-write | Current | As per MIB |

## hh3cDLDPPortStateTable

OID of this table is :1.3.6.1.4.1.25506.2.43.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDLDPPortState (1.3.6.1.4.1.25506.2.43.1.2.1.1) | read-write | Current | As per MIB |

## hh3cDLDPPortDLDPTable

OID of this table is :1.3.6.1.4.1.25506.2.43.1.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDLDPPortDLDPState (1.3.6.1.4.1.25506.2.43.1.3.1.1) | read-only | No | As per MIB |
| hh3cDLDPLinkState (1.3.6.1.4.1.25506.2.43.1.3.1.2) | read-only | No | As per MIB |
| hh3cDLDPPortDLDPReset (1.3.6.1.4.1.25506.2.43.1.3.1.3) | read-write | No | As per MIB |

## hh3cDLDPNeigh2borTable

OID of this table is :1.3.6.1.4.1.25506.2.43.1.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDLDPNeighborBridgeMac (1.3.6.1.4.1.25506.2.43.1.4.1.1) | not-accessible | No | As per MIB |
| hh3cDLDPNeighborPortIndex (1.3.6.1.4.1.25506.2.43.1.4.1.2) | not-accessible | No | As per MIB |
| hh3cDLDPNeighborState (1.3.6.1.4.1.25506.2.43.1.4.1.3) | read-only | No | As per MIB |
| hh3cDLDPNeighborAgingTime (1.3.6.1.4.1.25506.2.43.1.4.1.4) | read-only | No | As per MIB |

# HH3C-EFM-COMMON-MIB

## hh3cDot3OamTable

OID of this table is :1.3.6.1.4.1.25506.2.42.3.1.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDot3OamAdminState (1.3.6.1.4.1.25506.2.42.3.1.1.1.1) | read-write | No | Not supported |
| hh3cDot3OamOperStatus (1.3.6.1.4.1.25506.2.42.3.1.1.1.2) | read-only | No | Not supported. |
| hh3cDot3OamMode (1.3.6.1.4.1.25506.2.42.3.1.1.1.3) | read-write | No | Not supported |
| hh3cDot3OamMaxOamPduSize (1.3.6.1.4.1.25506.2.42.3.1.1.1.4) | read-only | No | Not supported |
| hh3cDot3OamConfigRevision (1.3.6.1.4.1.25506.2.42.3.1.1.1.5) | read-only | No | Not supported. |
| hh3cDot3OamFunctionsSupported (1.3.6.1.4.1.25506.2.42.3.1.1.1.6) | read-only | No | Not supported |

## hh3cDot3OamPeerTable

OID of this table is :1.3.6.1.4.1.25506.2.42.3.1.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDot3OamPeerStatus (1.3.6.1.4.1.25506.2.42.3.1.2.1.1) | read-only | No | Not supported |
| hh3cDot3OamPeerMacAddress (1.3.6.1.4.1.25506.2.42.3.1.2.1.2) | read-only | No | Not supported |
| hh3cDot3OamPeerVendorOui (1.3.6.1.4.1.25506.2.42.3.1.2.1.3) | read-only | No | Not supported |
| hh3cDot3OamPeerVendorInfo (1.3.6.1.4.1.25506.2.42.3.1.2.1.4) | read-only | No | Not supported |
| hh3cDot3OamPeerMode (1.3.6.1.4.1.25506.2.42.3.1.2.1.5) | read-only | No | Not supported |
| hh3cDot3OamPeerMaxOamPduSize (1.3.6.1.4.1.25506.2.42.3.1.2.1.6) | read-only | No | Not supported |
| hh3cDot3OamPeerConfigRevision (1.3.6.1.4.1.25506.2.42.3.1.2.1.7) | read-only | No | Not supported |
| hh3cDot3OamPeerFunctionsSupported (1.3.6.1.4.1.25506.2.42.3.1.2.1.8) | read-only | No | Not supported. |

## hh3cDot3OamLoopbackTable

OID of this table is :1.3.6.1.4.1.25506.2.42.3.1.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDot3OamLoopbackCommand (1.3.6.1.4.1.25506.2.42.3.1.3.1.1) | read-write | No | Not supported |
| hh3cDot3OamLoopbackStatus (1.3.6.1.4.1.25506.2.42.3.1.3.1.2) | read-only | No | Not supported |
| hh3cDot3OamLoopbackIgnoreRx (1.3.6.1.4.1.25506.2.42.3.1.3.1.3) | read-write | No | Not supported |

## hh3cDot3OamStatsTable

OID of this table is :1.3.6.1.4.1.25506.2.42.3.1.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDot3OamInformationTx (1.3.6.1.4.1.25506.2.42.3.1.4.1.1) | read-only | No | Not supported |
| hh3cDot3OamInformationRx (1.3.6.1.4.1.25506.2.42.3.1.4.1.2) | read-only | No | Not supported |
| hh3cDot3OamUniqueEventNotificationTx (1.3.6.1.4.1.25506.2.42.3.1.4.1.3) | read-only | No | Not supported. |
| hh3cDot3OamUniqueEventNotificationRx (1.3.6.1.4.1.25506.2.42.3.1.4.1.4) | read-only | No | Not supported |
| hh3cDot3OamDuplicateEventNotificationTx (1.3.6.1.4.1.25506.2.42.3.1.4.1.5) | read-only | No | Not supported. |
| hh3cDot3OamDuplicateEventNotificationRx (1.3.6.1.4.1.25506.2.42.3.1.4.1.6) | read-only | No | Not supported |
| hh3cDot3OamLoopbackControlTx (1.3.6.1.4.1.25506.2.42.3.1.4.1.7) | read-only | No | Not supported |
| hh3cDot3OamLoopbackControlRx (1.3.6.1.4.1.25506.2.42.3.1.4.1.8) | read-only | No | Not supported |
| hh3cDot3OamVariableRequestTx (1.3.6.1.4.1.25506.2.42.3.1.4.1.9) | read-only | No | Not supported |
| hh3cDot3OamVariableRequestRx (1.3.6.1.4.1.25506.2.42.3.1.4.1.10) | read-only | No | Not supported. |
| hh3cDot3OamVariableResponseTx (1.3.6.1.4.1.25506.2.42.3.1.4.1.11) | read-only | No | Not supported |
| hh3cDot3OamVariableResponseRx (1.3.6.1.4.1.25506.2.42.3.1.4.1.12) | read-only | No | Not supported |
| hh3cDot3OamOrgSpecificTx (1.3.6.1.4.1.25506.2.42.3.1.4.1.13) | read-only | No | Not supported |
| hh3cDot3OamOrgSpecificRx (1.3.6.1.4.1.25506.2.42.3.1.4.1.14) | read-only | No | Not supported |
| hh3cDot3OamUnsupportedCodesTx (1.3.6.1.4.1.25506.2.42.3.1.4.1.15) | read-only | No | Not supported. |
| hh3cDot3OamUnsupportedCodesRx (1.3.6.1.4.1.25506.2.42.3.1.4.1.16) | read-only | No | Not supported. |
| hh3cDot3OamFramesLostDueToOam (1.3.6.1.4.1.25506.2.42.3.1.4.1.17) | Read-only | No | Not supported. |

## hh3cDot3OamEventConfigTable

OID of this table is :1.3.6.1.4.1.25506.2.42.3.1.5

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDot3OamErrSymPeriodWindowHi (1.3.6.1.4.1.25506.2.42.3.1.5.1.1) | read-write | No | Not supported |
| hh3cDot3OamErrSymPeriodWindowLo (1.3.6.1.4.1.25506.2.42.3.1.5.1.2) | read-write | No | Not supported |
| hh3cDot3OamErrSymPeriodThresholdHi (1.3.6.1.4.1.25506.2.42.3.1.5.1.3) | read-write | No | Not supported |
| hh3cDot3OamErrSymPeriodThresholdLo (1.3.6.1.4.1.25506.2.42.3.1.5.1.4) | read-write | No | Not supported. |
| hh3cDot3OamErrSymPeriodEvNotifEnable (1.3.6.1.4.1.25506.2.42.3.1.5.1.5) | read-write | No | Not supported. |
| hh3cDot3OamErrFramePeriodWindow (1.3.6.1.4.1.25506.2.42.3.1.5.1.6) | read-write | No | Not supported. |
| hh3cDot3OamErrFramePeriodThreshold (1.3.6.1.4.1.25506.2.42.3.1.5.1.7) | read-write | No | Not supported |
| hh3cDot3OamErrFramePeriodEvNotifEnable (1.3.6.1.4.1.25506.2.42.3.1.5.1.8) | read-write | No | Not supported |
| hh3cDot3OamErrFrameWindow (1.3.6.1.4.1.25506.2.42.3.1.5.1.9) | read-write | No | Not supported |
| hh3cDot3OamErrFrameThreshold (1.3.6.1.4.1.25506.2.42.3.1.5.1.10) | read-write | No | Not supported |
| hh3cDot3OamErrFrameEvNotifEnable (1.3.6.1.4.1.25506.2.42.3.1.5.1.11) | read-write | No | Not supported |
| hh3cDot3OamErrFrameSecsSummaryWindow (1.3.6.1.4.1.25506.2.42.3.1.5.1.12) | read-write | No | Not supported |
| hh3cDot3OamErrFrameSecsSummaryThreshold (1.3.6.1.4.1.25506.2.42.3.1.5.1.13) | read-write | No | Not supported |
| hh3cDot3OamErrFrameSecsEvNotifEnable (1.3.6.1.4.1.25506.2.42.3.1.5.1.14) | read-write | No | Not supported |

## hh3cDot3OamEventLogTable

OID of this table is :1.3.6.1.4.1.25506.2.42.3.1.6

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDot3OamEventLogIndex (1.3.6.1.4.1.25506.2.42.3.1.6.1.1) | not-accessible | No | Not supported |
| hh3cDot3OamEventLogTimestamp (1.3.6.1.4.1.25506.2.42.3.1.6.1.2) | read-only | No | Not supported |
| hh3cDot3OamEventLogOui (1.3.6.1.4.1.25506.2.42.3.1.6.1.3) | read-only | No | Not supported |
| hh3cDot3OamEventLogType (1.3.6.1.4.1.25506.2.42.3.1.6.1.4) | read-only | No | Not supported |
| hh3cDot3OamEventLogLocation (1.3.6.1.4.1.25506.2.42.3.1.6.1.5) | read-only | No | Not supported |
| hh3cDot3OamEventLogWindowHi (1.3.6.1.4.1.25506.2.42.3.1.6.1.6) | read-only | No | Not supported |
| hh3cDot3OamEventLogWindowLo (1.3.6.1.4.1.25506.2.42.3.1.6.1.7) | read-only | No | Not supported |
| hh3cDot3OamEventLogThresholdHi (1.3.6.1.4.1.25506.2.42.3.1.6.1.8) | read-only | No | Not supported |
| hh3cDot3OamEventLogThresholdLo (1.3.6.1.4.1.25506.2.42.3.1.6.1.9) | read-only | No | Not supported |
| hh3cDot3OamEventLogValue (1.3.6.1.4.1.25506.2.42.3.1.6.1.10) | read-only | No | Not supported |
| hh3cDot3OamEventLogRunningTotal (1.3.6.1.4.1.25506.2.42.3.1.6.1.11) | read-only | No | Not supported |
| hh3cDot3OamEventLogEventTotal (1.3.6.1.4.1.25506.2.42.3.1.6.1.12) | read-only | No | Not supported |

# HH3C-SSH-MIB

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cSSHServerVersion (1.3.6.1.4.1.25506.2.22.1.1.1.1) | read-only | No | The default value is 1.99, meaning that it is compatible with SSH versions 1.x. |
| hh3cSSHServerCompatibleSSH1x (1.3.6.1.4.1.25506.2.22.1.1.1.2) | read-write | Current | The default value is enableCompatibleSSH1x(1). |
| hh3cSSHServerRekeyInterval (1.3.6.1.4.1.25506.2.22.1.1.1.3) | read-write | Current | Range from 0 to 24.  The default value is 0, meaning that the key will not be refreshed. |
| hh3cSSHServerAuthRetries (1.3.6.1.4.1.25506.2.22.1.1.1.4) | read-write | Current | Range from 1 to 5.  The default value is 3. |
| hh3cSSHServerAuthTimeout (1.3.6.1.4.1.25506.2.22.1.1.1.5) | read-write | Current | Range from 1 to 120.  The default value is 60. |
| hh3cSFTPServerIdleTimeout (1.3.6.1.4.1.25506.2.22.1.1.1.6) | read-write | Current | Range from 1 to 35791.  The default value is 10. |
| hh3cSSHServerEnable (1.3.6.1.4.1.25506.2.22.1.1.1.7) | read-write | Current | The default value is disableSSHServer(2). |
| hh3cSFTPServerEnable (1.3.6.1.4.1.25506.2.22.1.1.1.8) | read-write | Current | The default value is disableSFTPService(2). |

## hh3cSSHUserConfigTable

OID of this table is :1.3.6.1.4.1.25506.2.22.1.1.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cSSHUserName (1.3.6.1.4.1.25506.2.22.1.1.2.1.1.1) | not-accessible | Current | The length of value is from 1 to 80. |
| hh3cSSHUserServiceType (1.3.6.1.4.1.25506.2.22.1.1.2.1.1.2) | read-create | Current | The default value is invalid(1). |
| hh3cSSHUserAuthType (1.3.6.1.4.1.25506.2.22.1.1.2.1.1.3) | read-create | Current | The default value is invalid(1).  When this object is set to password, means that this user uses password authentication in AAA(Authentication, Authorization, Accounting) module.  When this object is set to publicKey, means that this user uses public key authentication in PKEY(Public Key) module.  When this object is set to any, means that this user uses either password authentication or publickey authentication.  When this object is set to publicKeyPassword, means that this user uses both publickey authentication and password authentication. |
| hh3cSSHUserPublicKeyName (1.3.6.1.4.1.25506.2.22.1.1.2.1.1.4) | read-create | Current | The length of value is from 1 to 64.  The default value is null string.  This object only can get value from an existent public key, which is managed in PKEY (Public Key) module. |
| hh3cSSHUserWorkDirectory (1.3.6.1.4.1.25506.2.22.1.1.2.1.1.5) | read-create | Current | The length of value is from 1 to 135.  The default value is null string. |
| hh3cSSHUserRowStatus (1.3.6.1.4.1.25506.2.22.1.1.2.1.1.6) | read-create | No | Four actions are used: active(1), notInService(2), createAndGo(4), destroy(6).  When `hh3cSSHUserRowStatus' is set to active(1), no object in the conceptual row can be modified.  In particular, a newly created SFTP user row cannot be made active(1) until the corresponding instance of `hh3cSSHUserServiceType' is 'sftp' or 'all', and the 'hh3cSSHUserWorkDirectory' is configured appropriately.  In particular, a newly created user row which uses public key authentication cannot be made active(1) until the corresponding instance of `hh3cSSHUserAuthType' is 'publicKey' or 'publicKeyPassword', and the 'hh3cSSHUserPublicKeyName' is configured appropriately. |

## hh3cSSHSessionInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.22.1.1.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cSSHSessionID (1.3.6.1.4.1.25506.2.22.1.1.3.1.1) | not-accessible | No | As per MIB |
| hh3cSSHSessionUserName (1.3.6.1.4.1.25506.2.22.1.1.3.1.2) | read-only | No | The length of value is from 1 to 80. |
| hh3cSSHSessionUserIpAddrType (1.3.6.1.4.1.25506.2.22.1.1.3.1.3) | read-only | No | As per MIB |
| hh3cSSHSessionUserIpAddr (1.3.6.1.4.1.25506.2.22.1.1.3.1.4) | read-only | No | As per MIB |
| hh3cSSHSessionClientVersion (1.3.6.1.4.1.25506.2.22.1.1.3.1.5) | read-only | No | As per MIB |
| hh3cSSHSessionServiceType (1.3.6.1.4.1.25506.2.22.1.1.3.1.6) | read-only | No | As per MIB |
| hh3cSSHSessionEncry (1.3.6.1.4.1.25506.2.22.1.1.3.1.7) | read-only | No | As per MIB |
| hh3cSSHSessionState (1.3.6.1.4.1.25506.2.22.1.1.3.1.8) | read-only | No | As per MIB |

## scalar objects for notify

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cSSHAttemptUserName (1.3.6.1.4.1.25506.2.22.1.2.1) | accessible-for-notify | No | The length of value is from 1 to 80. |
| hh3cSSHAttemptIpAddrType (1.3.6.1.4.1.25506.2.22.1.2.2) | accessible-for-notify | No | As per MIB |
| hh3cSSHAttemptIpAddr (1.3.6.1.4.1.25506.2.22.1.2.3) | accessible-for-notify | No | As per MIB |
| hh3cSSHUserAuthFailureReason (1.3.6.1.4.1.25506.2.22.1.2.4) | accessible-for-notify | No | As per MIB |

# HH3C-MAC-INFORMATION-MIB

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cMACInformationEnabled (1.3.6.1.4.1.25506.2.87.1.1.1) | read-write | Current | As per MIB |
| hh3cMACInformationcSendInterval (1.3.6.1.4.1.25506.2.87.1.1.2) | read-write | Current | As per MIB |
| hh3cMACInformationLearntMACNum (1.3.6.1.4.1.25506.2.87.1.1.3) | read-only | NO | As per MIB |
| hh3cMACInformationRemovedMACNum (1.3.6.1.4.1.25506.2.87.1.1.4) | read-only | NO | As per MIB |
| hh3cMACInformationTrapSendNum (1.3.6.1.4.1.25506.2.87.1.1.5) | read-only | NO | As per MIB |
| hh3cMACInformationSyslogSendNum (1.3.6.1.4.1.25506.2.87.1.1.6) | read-only | NO | As per MIB |
| hh3cMACInformationCacheLen (1.3.6.1.4.1.25506.2.87.1.1.7) | read- write | Current | As per MIB |
| hh3cMACInfomationWorkMode (1.3.6.1.4.1.25506.2.87.1.1.8) | read-write | Current | As per MIB |

## hh3cMACInfomationIfTable

OID of this table is :1.3.6.1.4.1.25506.2.87.1.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cMACLearntEnable (1.3.6.1.4.1.25506.2.87.1.2.1.1.1) | read- write | Current | As per MIB |
| hh3cMACRemovedEnable (1.3.6.1.4.1.25506.2.87.1.2.1.1.2) | read- write | Current | As per MIB |

## scalar objects for notify

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cMACInfoTrapIndex (1.3.6.1.4.1.25506.2.87.1.3.2.1) | accessible-for-notify | No | As per MIB |
| hh3cMACInfoTrapCount (1.3.6.1.4.1.25506.2.87.1.3.2.2) | accessible-for-notify | No | As per MIB |
| hh3cMACInfoTrapMsg (1.3.6.1.4.1.25506.2.87.1.3.2.3) | accessible-for-notify | No | As per MIB |
| hh3cMACInfoTrapVerExt (1.3.6.1.4.1.25506.2.87.1.4.2.1) | accessible-for-notify | NO | As per MIB |
| hh3cMACInfoTrapIndexExt (1.3.6.1.4.1.25506.2.87.1.4.2.2) | accessible-for-notify | NO | As per MIB |
| hh3cMACInfoTrapCountExt (1.3.6.1.4.1.25506.2.87.1.4.2.3) | accessible-for-notify | NO | As per MIB |
| hh3cMACInfoTrapMsgExt (1.3.6.1.4.1.25506.2.87.1.4.2.4) | accessible-for-notify | NO | As per MIB |

# HH3C-STORM-CONSTRAIN

The storm-constrain provides the function to control a port forwarding state. If all types of the flux in normal, the port will be in normal (forwarding) state. If any type of the flux exceeds its upper limit, the port will be change into controlled (discarding) state to avoid packets storm. When all flux of the port which exceed upper limit falling under their lower limit, the port in controlled (discarding) will recover normal (forwarding) state.

## scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cStormTrapType (1.3.6.1.4.1.25506.2.66.1.1) | accessible-for-notify | No | As per MIB |
| hh3cStormTrapThreshold (1.3.6.1.4.1.25506.2.66.1.2) | accessible-for-notify | No | As per MIB |

## hh3cStormCtrlTable

OID of this table is : 1.3.6.1.4.1.25506.2.66.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cStormCtrlPortStatus (1.3.6.1.4.1.25506.2.66.2.1.1.1) | read-only | No | As per MIB |
| hh3cStormCtrlBroadcastUnit (1.3.6.1.4.1.25506.2.66.2.1.1.2) | read-create | No | The objects hh3cStormCtrlBroadcastUnit. hh3cStormCtrlBroadcastUpper and hh3cStormCtrlBroadcastLower must be set together.  ‘bytePerSecond’ and ‘none’ is not supported by set operation |
| hh3cStormCtrlBroadcastUpper (1.3.6.1.4.1.25506.2.66.2.1.1.3) | read-create | Current | The objects hh3cStormCtrlBroadcastUnit, hh3cStormCtrlBroadcastUpper and hh3cStormCtrlBroadcastLower must be set together. If the value is zero, means the configuration is useless |
| hh3cStormCtrlBroadcastLower (1.3.6.1.4.1.25506.2.66.2.1.1.4) | read-create | Current | The objects hh3cStormCtrlBroadcastUnit, hh3cStormCtrlBroadcastUpper and hh3cStormCtrlBroadcastLower must be set together. And the value must be lower the value of hh3cStormCtrlBroadcastUpper. If the value is zero, means the configuration is useless |
| hh3cStormCtrlMulticastUnit (1.3.6.1.4.1.25506.2.66.2.1.1.5) | read-create | Current | The objects hh3cStormCtrlMulticastUnit, hh3cStormCtrlMulticastUpper and hh3cStormCtrlMulticastLower must be set together.  ‘bytePerSecond’ and ‘none’ is not supported by set operation |
| hh3cStormCtrlMulticastUpper (1.3.6.1.4.1.25506.2.66.2.1.1.6) | read-create | Current | The objects hh3cStormCtrlMulticastUnit hh3cStormCtrlMulticastUpper hh3cStormCtrlMulticastLower must be set together. If the value is zero, means the configuration is useless |
| hh3cStormCtrlMulticastLower (1.3.6.1.4.1.25506.2.66.2.1.1.7) | read-create | Current | The objects hh3cStormCtrlMulticastUnit, hh3cStormCtrlMulticastUpper and hh3cStormCtrlMulticastLowe must be set together. And the value must be lower the value of hh3cStormCtrlMulticastUpper. If the value is zero, means the configuration is useless |
| hh3cStormCtrlUnicastUnit (1.3.6.1.4.1.25506.2.66.2.1.1.8) | read-create | Current | The objects hh3cStormCtrlUnicastUnit, hh3cStormCtrlUnicastUpper and hh3cStormCtrlUnicastLower must be set together.  ‘bytePerSecond’ and ‘none’ is not supported by set operation |
| hh3cStormCtrlUnicastUpper (1.3.6.1.4.1.25506.2.66.2.1.1.9) | read-create | Current | The objects hh3cStormCtrlUnicastUnit, hh3cStormCtrlUnicastUpper and hh3cStormCtrlUnicastLower must be set together. If the value is zero, means the configuration is useless |
| hh3cStormCtrlUnicastLower (1.3.6.1.4.1.25506.2.66.2.1.1.10) | read-create | Current | The objects hh3cStormCtrlUnicastUnit, hh3cStormCtrlUnicastUpper and hh3cStormCtrlUnicastLower must be set together. And the value must be lower the value of hh3cStormCtrlUnicastUpper. If the value is zero, means the configuration is useless |
| hh3cStormCtrlRowStatus (1.3.6.1.4.1.25506.2.66.2.1.1.11) | read-create | Current | Only support active createAndgo and destroy. |
| hh3cStormCtrlPortMode (1.3.6.1.4.1.25506.2.66.2.1.1.12) | read-create | Current | As per MIB |

# HH3C-DHCP-SERVER-MIB

## hh3cDHCPServerTables

OID of this table is :1.3.6.1.4.1.25506.2.101.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDHCPServerPoolName (1.3.6.1.4.1.25506.2.101.2.1) | accessible-for-notify | Current | As per MIB |

## hh3cDHCPServerObjects

OID of this table is :1.3.6.1.4.1.25506.2.101.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cDHCPServerIPPoolUsage (1.3.6.1.4.1.25506.2.101.1.1) | read-only | Current | As per MIB |
| hh3cDHCPServerReqTimes (1.3.6.1.4.1.25506.2.101.1.2) | read-only | Current | As per MIB |
| hh3cDHCPServerReqSuccessTimes (1.3.6.1.4.1.25506.2.101.1.3) | read-only | Current | As per MIB |
| hh3cDHCPServerAvgIpUseThreshold (1.3.6.1.4.1.25506.2.101.1.4) | read-write | Current | As per MIB |
| hh3cDHCPServerMaxIpUseThreshold (1.3.6.1.4.1.25506.2.101.1.5) | read-write | Current | As per MIB |
| hh3cDHCPServerAllocateThreshold (1.3.6.1.4.1.25506.2.101.1.6) | read-write | Current | As per MIB |

# HH3C-STACK-MIB

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cStackMaxMember (1.3.6.1.4.1.25506.2.91.1.1) | read-only | No | The maximum number of members in a stack. |
| hh3cStackMemberNum (1.3.6.1.4.1.25506.2.91.1.2) | read-only | No | The number of members currently in a stack. |
| hh3cStackMaxConfigPriority (1.3.6.1.4.1.25506.2.91.1.3) | read-only | No | The highest priority that can be configured for a member in a stack. |
| hh3cStackAutoUpdate (1.3.6.1.4.1.25506.2.91.1.4) | read-write | Current | The function for automatically updating the image from master to slave. When a new device tries to join a stack, the image version is checked. When this function is enabled, if the image version of the new device is different from that of the master, the image of the new device will be updated to be consistent with that of the master. When this function is disabled, the new device can not join the stack if the image version of the new device is different from that of the master.  disabled: disable auto update function  enabled: enable auto update function |
| hh3cStackMacPersistence (1.3.6.1.4.1.25506.2.91.1.5) | read-write | Current | The modes of bridge MAC address persistence. When a stack starts, the bridge MAC address of master board will be used as that of the stack. If the master board leaves the stack, the bridge MAC address of the stack will change based on the mode of bridge MAC address persistence.  notPersist: The bridge MAC address of the new master board will be used as that of the stack immediately.  persistForSixMin: The bridge MAC address will be reserved for six minutes. In this period, if the master board which has left the stack rejoins the stack, the bridge MAC address of the stack will not change. Otherwise, the bridge MAC address of the new master board will be used as that of the stack.  persistForever: Whether the master leaves or not, the bridge MAC address of the stack will never change. |
| hh3cStackLinkDelayInterval (1.3.6.1.4.1.25506.2.91.1.6) | read-write | Current | The delay time for a device in a stack to report the change of stack port link status. If the delay time is configured, a device in a stack will not report the change immediately when the stack port link status changes to down. During the delay period, if the stack port link status is resumed, the device will ignore the current change of the stack port link status. If the stack port link status is not resumed after the delay time, the device will report the change.  0 means no delay, namely, the device will report the change as soon as the stack port link status changes to down.  0: no delay  200-2000(ms): delay time |
| hh3cStackTopology (1.3.6.1.4.1.25506.2.91.1.7) | read-only | No | The topology of the stack.  chainConn: chain connection  ringConn: ring connection |

## hh3cStackDeviceConfigTable

OID of this table is :1.3.6.1.4.1.25506.2.91.2

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cStackMemberID (1.3.6.1.4.1.25506.2.91.2.1.1) | read-only | No | The member ID of the device in a stack. |
| hh3cStackConfigMemberID (1.3.6.1.4.1.25506.2.91.2.1.2) | read-write | Yes | The configured member ID of the device. The valid value ranges from 1 to the value of hh3cStackMaxMember. After the member ID is configured for a device, if this ID is not the same with that of another device, the ID will be used as the member ID of the device when the device reboots. If a same ID exists, the member ID of the device will be set as another exclusive ID automatically. |
| hh3cStackPriority (1.3.6.1.4.1.25506.2.91.2.1.3) | read-write | Yes | The priority of a device in a stack. The valid value ranges from 1 to the value of hh3cStackMaxConfigPriority. |
| hh3cStackPortNum (1.3.6.1.4.1.25506.2.91.2.1.4) | read-only | No | The number of stack ports which is enabled in a device. |
| hh3cStackPortMaxNum (1.3.6.1.4.1.25506.2.91.2.1.5) | read-only | No | The maximum number of stack ports in a device. |

## hh3cStackBoardConfigTable

OID of this table is :1.3.6.1.4.1.25506.2.91.3

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cStackBoardRole (1.3.6.1.4.1.25506.2.91.3.1.1) | read-only | No | The role of the board in a stack.  slave: slave board  master: master board  loading: slave board whose image version is different from that of the master board.  other: other |
| hh3cStackBoardBelongtoMember (1.3.6.1.4.1.25506.2.91.3.1.2) | read-only | No | The member ID of the device where the current board resides in a stack. |

## hh3cStackPortInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.91.4

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cStackPortIndex (1.3.6.1.4.1.25506.2.91.4.1.1) | accessible-for-notify | No | The index of a stack port of the device in a stack. |
| hh3cStackPortEnable (1.3.6.1.4.1.25506.2.91.4.1.2) | read-only | No | The status of the stack port of the device in a stack. If no physical port is added to the stack port, its status is 'disabled'; otherwise, its status is 'enabled'.  disabled: The stack port is disabled.  enabled: The stack port is enabled. |
| hh3cStackPortStatus (1.3.6.1.4.1.25506.2.91.4.1.3) | read-only | No | The link status of the stack port of the device in a stack.  up: The link status of a stack port with reasonable physical connection is up.  down: The link status of a stack port without physical connection is down.  silent: The link status of a stack port which can not be used normally is silent.  disabled: The link status of a stack port in disabled status is disabled. |
| hh3cStackNeighbor (1.3.6.1.4.1.25506.2.91.4.1.4) | read-only | No | The member ID of the stack port's neighbor in a stack. 0 means no neighbor exists. |

## hh3cStackPhyPortInfoTable

OID of this table is :1.3.6.1.4.1.25506.2.91.5

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hh3cStackBelongtoPort (1.3.6.1.4.1.25506.2.91.5.1.1) | read-write | Yes | The index of the stack port to which the physical port is added. 0 means the physical port is not added to any stack port. The value will be valid after the device in the stack reboots. |

# SAVI

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| saviObjectsSystemIPVersion  (1.3.6.1.2.1.4.40.1.1.1.1) | not-accessible | No | Only support Ipv6 version, value is 2. |
| saviObjectsSystemMode  (1.3.6.1.2.1.4.40.1.1.1.2) | read- write | Current | As per MIB |
| saviObjectsSystemMaxDadDelay(1.3.6.1.2.1.4.40.1.1.1.3) | read- write | Current | As per MIB |
| saviObjectsSystemMaxDadPrepareDelay  (1.3.6.1.2.1.4.40.1.1.1.4) | read- write | Current | As per MIB |

## saviObjectsSystemTable

OID of this table is: 1.3.6.1.2.1.4.40.1.1.1

## saviObjectsIfTable

OID of this table is: 1.3.6.1.2.1.4.40.1.2.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| saviObjectsIfIPVersion  (1.3.6.1.2.1.4.40.1.2.1.1) | not-accessible | No | Only support Ipv6 version, value is 2. |
| saviObjectsIfIfIndex  (1.3.6.1.2.1.4.40.1.2.1.2) | not-accessible | Current | As per MIB |
| saviObjectsIfValidationStatus  (1.3.6.1.2.1.4.40.1.2.1.3) | read- write | Current | As per MIB |
| saviObjectsIfTrustStatus  (1.3.6.1.2.1.4.40.1.2.1.4) | read- write | Current | As per MIB |
| saviObjectsIfFilteringNum  (1.3.6.1.2.1.4.40.1.2.1.5) | read- write | Current | As per MIB |

## saviObjectsBindingTable

OID of this table is: 1.3.6.1.2.1.4.40.1.3.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| saviObjectsBindingIpAddressType  (1.3.6.1.2.1.4.40.1.3.1.1) | not-accessible | No | Only support Ipv6 version, value is 2. |
| saviObjectsBindingType (1.3.6.1.2.1.4.40.1.3.1.2) | not-accessible | No | As per MIB |
| saviObjectsBindingIfIndex (1.3.6.1.2.1.4.40.1.3.1.3) | not-accessible | No | As per MIB |
| saviObjectsBindingIpAddress (1.3.6.1.2.1.4.40.1.3.1.4) | not-accessible | Current | As per MIB |
| saviObjectsBindingMacAddr (1.3.6.1.2.1.4.40.1.3.1.5) | read- create | Current | As per MIB |
| saviObjectsBindingState (1.3.6.1.2.1.4.40.1.3.1.6) | read- create | Current | As per MIB |
| saviObjectsBindingLifetime (1.3.6.1.2.1.4.40.1.3.1.7) | read- create | Current | As per MIB |
| saviObjectsBindingRowStatus (1.3.6.1.2.1.4.40.1.3.1.8) | read- create | Current | As per MIB |

## saviObjectsFilteringTable

OID of this table is: 1.3.6.1.2.1.4.40.1.4.1

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| saviObjectsFilteringIpAddressType (1.3.6.1.2.1.4.40.1.4.1.1) | not-accessible | No | Only support Ipv6 version, value is 2. |
| saviObjectsFilteringIfIndex (1.3.6.1.2.1.4.40.1.4.1.2) | not-accessible | No | As per MIB |
| saviObjectsFilteringIpAddress (1.3.6.1.2.1.4.40.1.4.1.3) | not-accessible | No | As per MIB |
| saviObjectsFilteringMacAddr (1.3.6.1.2.1.4.40.1.4.1.4) | read-only | No | As per MIB |