Hewlett Packard Enterprise

Aruba 2540 48G 4SFP+ Switch (JL355A)

Switches

What's new

- Aruba Layer 2 switch series optimized for mobile users that is easy to deploy and manage with Aruba ClearPass Policy Manager and Aruba AirWave.
- Supports cloud-based management with Aruba Central.
- Convenient built-in 10GbE uplinks.
- Up to 370 W PoE+ for powering APs, cameras and IoT devices.
- Simple deployment with Zero Touch Provisioning.

Overview

Designed for the digital workplace, the Aruba 2540 Switch Series is optimized for mobile users. With advanced security and network management tools — Aruba ClearPass Policy Manager and Aruba AirWave — this Layer 2 access switch is easy to deploy and manage. With support from cloud-based Aruba Central, you can quickly set up remote branch sites with little or no IT support. The 2540 delivers entry level features for the enterprise campus, SMB and branch offices. It provides built-in 10GbE uplinks, robust QoS, static and RIP routing, IPv6, PoE+ models and requires no software licensing.

Features

Simplify with Cloud Manageable Access Layer Switches

The Aruba 2540 Switch Series delivers entry level access switch features for the enterprise campus, SMB and branch offices. It is simple to deploy and manage with Aruba AirWave, Aruba ClearPass Policy Manager and cloud-based Aruba Central.

Provides optimal configuration automatically when connected to Aruba access points for PoE priority, VLAN configuration, and rogue AP containment.

Zero Touch Provisioning provides quick and painless deployment at locations with few or no technical resources.

Convenient built-in wire speed 10GbE uplinks and PoE+ models deliver outstanding network access performance.

Robust Layer 2 features include static and RIP routing, ACLs, sFlow, IPv6 with no software licensing required.

Performance and Power at the Edge

The Aruba 2540 Switch Series is designed with a powerful Aruba ProVision ASIC with low latency, increased packet buffering, and adaptive power consumption.

Increase performance with selectable queue configurations and associated memory buffering that meets your specific network application requirements.

Supports up to 370 W of internal PoE+ power across all access ports for wireless APs, cameras and IoT devices.

Built-in 10GbE uplinks reduce congestion to aggregation/core switches.

Security and Quality of Service (QoS) You Can Rely on

The Aruba 2540 Switch Series includes security and quality of services features to build a network that meets ever-changing corporate policies and compliance requirements while protecting your data from both inside and outside threats.

Flexible authentication options include standards-based security protocols such as 802.1X, MAC and Web Authentication, to enhance security and policy-driven application authentication.

Powerful multilevel-access security controls include source-port filtering, RADIUS/TACACS+, SSL, Port Security, and MAC address lockout.

Simplify with Integrated Wired/Wireless Management

The Aruba 2540 Switch Series supports Aruba ClearPass Policy Manager for unified and consistent policy management between wired and wireless users and simplifies implementation and management of guest login, user onboarding, network access, security, QoS, and other network policies.

Supports Aruba AirWave and Aruba Central to provide a common platform for Zero Touch Provisioning management, and monitoring for wired and wireless networks.

Built-in programmable and easy to use REST API interface provides configuration automation for Mobile-first campus networks.

RMON and sFlow provide advanced monitoring and reporting capabilities for statistics, history, alarms and events.

Supports both cloud-based Central and on-premise AirWave with the same hardware ensuring change of management platform without ripping and replacing switching infrastructure.

Technical specifications   Aruba 2540 48G 4SFP+ Switch

Product Number (SKU)	JL355A
Differentiator	High density 52-port lite Layer 3 fully managed, cloud-capable Gigabit access. This model has 48x 10/100/1000 Gigabit ports and four 10 Gigabit SFP+ ports for high speed connectivity.
Ports	(48) RJ-45 autosensing 10/100/1000 ports (4) SFP+ 1/10GbE ports PHY-less
Memory and processor	Dual Core ARM Coretex A9 @ 1016 MHz 1 GB DDR3 SDRAM Packet buffer size: 12.38 GB 4.5MB Ingress/7.875MB Egress 4 GB eMMC
Latency	1000 Mb Latency: < 3.8 s 10 Gbps Latency: < 1.6 s
Throughput	up to 112 Mpps
Switching capacity	176 Gbps
Management features	Aruba AirWave Network Management IMC - Intelligent Management Center Command-line interface Web browser Configuration menu SNMP manager Telnet RMON1 FTP Out-of-band management (serial RS-232C or micro USB)
Input voltage	100 - 127 / 200 - 240 VAC, rated
Operating humidity range	15 to 95% @ 104°F (40°C) (noncondensing)
Power Consumption	46.6 W (maximum)
Heat dissipation	159 BTU/hr (167.74 kJ/hr)
Minimum dimensions (H x W x D)	44.25 x 24.63 x 4.39 cm
Weight	3.1 kg

For additional technical information, available models and options, please reference the QuickSpecs

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HPE Pointnext leverages our breadth and depth of technical expertise and innovation to help to accelerate digital transformation. A comprehensive portfolio that includes – Advisory, Professional, and Operational Services is designed to help you evolve and grow today and into the future.
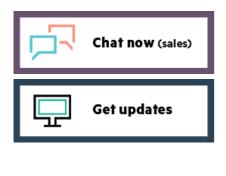
Operational Services

- **HPE Flexible Capacity** is a new consumption model to manage on-demand capacity, combining the agility and economics of public cloud with the security and performance of on-premises IT.
- **HPE Datacenter Care** offers a tailored operational support solution built on core deliverables. It includes hardware and software support, a team of experts to help personalise deliverables and share best practices, as well as optional building blocks to address specific IT and business needs.
- **HPE Proactive Care** is an integrated set of hardware and software support including an enhanced call experience with start to finish case management helping resolve incidents quickly and keeping IT reliable and stable.
- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

Advisory Services includes design, strategy, road map, and other services to help enable the digital transformation journey, tuned to IT and business needs. Advisory Services helps customers on their journey to Hybrid IT, Big Data, and the Intelligent Edge.

Professional Services helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

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