

3Com® Switch 40x0 to 3Com Switch 5500G

MIGRATION GUIDE



This document explains the positioning of these two switching families and arms you with points to make with your installed 3Com customers.

- 3Com® Switch 5500G has more functionality than the Switch 40x0 at a slight price premium
- Encourage customers of the Switch 40x0 to consider the new Switch 5500G

Basic Considerations

- The 3Com Switch 5500G serves the same areas of the network that the Switch 40x0 has served: enterprise distribution switching and for core networking for small to mid-sized networks. In addition, the Switch 5500G is an ideal enterprise-class Gigabit-to-the-desktop switch.
- The Switch 5500G has a superset of Switch 40x0 Layer 2/3/4 features.
- The Switch 5500G expands on the evolution of 3Com XRN® Technology, supporting stacking up to eight units high.
- The Switch 5500G SFP version is most like the Switch 4070, which has all SFP ports.
- The Switch 5500G has Power over Ethernet capabilities. Customers can purchase PoE models, or they can purchase 5500G non-PoE models and field-upgrade the units to PoE at a later date by swapping out the power supply unit.

Comparison Table of 3Com Switch 40x0 & Switch 5500G

	SWITCH 4050	SWITCH 4060	SWITCH 4070	SWITCH 5500G-EI 24-PORT	SWITCH 5500G-EI PWR 24-PORT	SWITCH 5500G-EI SFP 24-PORT
Unit list price	\$11,495	\$12,495	\$6,995	\$5,995	\$7,495	\$7,999
Total ports	24	24	24	24	24 PoE	24 SFP
Price per port	\$479	\$520	\$291+SFPs	\$250	\$312	\$333+SFPs
Technology	L2/L3/L4	L2/L3/L4	L2/L3/L4	L2/L3/L4	L2/L3/L4	L2/L3/L4
Switch capacity	56 Gbps	56 Gbps	56 Gbps	136 Gbps	136 Gbps	136 Gbps
Height	2U	2U	2U	1U	1U	1U
MAC addresses	12K	12K	12K	16K	16K	16K
VLANs	30	30	30	4,094	4,094	4,094
Stacking	XRN stacking, 2 high	XRN stacking, 2 high	XRN stacking, 2 high	XRN stacking, 8 high	XRN stacking, 8 high	XRN stacking, 8 high
Priority queues	4	4	4	8	8	8

Key Advantages of Upgrading

- **Security:** Switch 5500G models support the latest security features including IEEE 802.1X network login, advanced Layer 2/3/4 ACLs, and SNMPv3 and SSH encryption; the Switch 40x0 models do not.
- **Convergence:** the Switch 5500G supports double the number of traffic priority queues for greater control over network traffic, and Power over Ethernet for voice and wireless installations.
- **Performance:** Switch 5500G models have wirespeed performance on all ports. Total switching aggregate throughput of the Switch 5500G 24-port is 136 Gbps compared with 56 Gbps for the 40x0 switches. Stacking ports are built-in to the Switch 5500G, supporting 48 Gbps of aggregate stacking bandwidth.
- **Port Density:** Switch 5500G models take up 1/2 the rack space as does the 40x0 models.

Interoperability

- Switch 5500G and Switch 40x0 cannot be mixed in the same stack. They must operate in parallel, with interaction via standards-based Gigabit Ethernet.
- SFPs deployed in a Switch 40x0 will work just as well in the Switch 5500G-EI 24-Port SFP switch. This seemingly is an easy move, as SFPs with connections can simply be moved switch to switch during a migration.

Caveats and Concerns

- Switch 5500G 8-high XRN stacking is not interoperable with Switch 40x0 2-high XRN stacking. These environments must be operated independently.
- The command line interface and web-based management interface of the Switch 5500G is a new, updated design. The Switch 5500G runs 3Com Operating System, with a user interface common to the Switch 5500, 7700 and 8800 families. Users will find some differences after migrations.

Tools and Resources

Partner Access Portal:

<http://pa.3com.com/secure/global/mkt-toolkit.nsf/HTML/Switch+5500+Family--Collateral>



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