Cisco Catalyst 4500 E-Series Supervisor for High-Performance Enterprise Access: Now Orderable

PB530835

Cisco is announcing the new Cisco® Catalyst® 4500 Supervisor Engine 6L-E optimized for high-performance enterprise access. The supervisor engine extends the Cisco Catalyst 4500 E-Series facilitating performance, enabling services, and protecting investments for enterprises and small and medium-sized businesses (SMBs) deploying business-critical applications. The competitive pricing on the supervisor engine makes it an ideal entry-point offering. (See Figure 1.)

Figure 1. Cisco Catalyst 4500 Supervisor Engine 6L-E with Two Uplink Variations (Two 10GbE or Four GbE with Twin Gigabit Converter Modules)

Product Overview

The Supervisor Engine 6L-E provides a fourfold increase in per-slot switching capacity from previous-generation basic Layer 3 Cisco Catalyst 4500 supervisor engines at 24 Gbps per slot. Primary Supervisor Engine 6L-E performance features include:

- Centralized 280-Gbps switching capacity with 225 mpps of throughput
- IPv6 support in hardware, providing wire-rate forwarding for IPv6 networks
- Dynamic hardware forwarding-table allocations for easy IPv4-to-IPv6 migration
- Advanced quality of service (QoS) support with eight queues per port, dynamic queue sizing, and hierarchical policing
- Dual 10 Gigabit Ethernet uplinks (X2 optics)

The Cisco Catalyst 4500 E-Series is optimized for collaboration. It offers superior services essential for business-critical real-time applications and is designed for nonstop communications with Nonstop Forwarding, Stateful Switchover (NSF/SSO), and In-Service Software Upgrade (ISSU). The Cisco Catalyst 4500 E-Series is easy to manage with features such as Smartports, EEM, and SMART Call Home. These features combined with standard Cisco Catalyst 4500 features such as QoS, multicast, IPv6, and security features including Layer 2 security, IEEE 802.1X, and control plane policing (CoPP), make it an ideal platform for enterprise access.

The Supervisor Engine 6L-E enables optimum enterprise operations. The supervisor engine shows a 70 percent decline in power consumed/Gbps when compared with the WS-X4013+. The supervisor engine also allows the Cisco Catalyst 4500 chassis to minimize power usage by automatically sensing unused slots and turning off power to the ASICs on unused slots. When combined with Cisco Catalyst 4500 line cards, the system supports Power over Ethernet (PoE)

and Cisco enhanced PoE. It is also ready to support the upcoming IEEE 802.3at (PoEP) standard and inline power upto 30W/port.

The Supervisor Engine 6L-E offers flexibility and investment protection. It supports Cisco Catalyst 4500 E-Series line cards in addition to all currently shipping classic Cisco IOS® Software supervisor engines and classic line cards dating back to 1999. Classic and E-Series line cards can be mixed and matched with no performance degradation. Twin Gigabit Ethernet converter modules offer flexibility for up to 4 Gigabit Ethernet Small Form-Factor Pluggable (SFP) uplinks in the X2 optic slots, allowing a phased migration to 10 Gigabit Ethernet. The Supervisor Engine 6L-E works with the 7-slot, 6-slot, and 3-slot E-series chassis and all shipping Cisco Catalyst 4500 power supplies.

Ordering Information

To place an order, visit the Cisco Ordering Page. (See Table 1.) To download software, visit the Cisco Software Center.

Table 1.   Ordering Information

Product Number	Description
WS-X45-SUP6L-E (=)	Cisco Catalyst 4500 E Series Supervisor Engine 6L-E, 2x10GE (X2) or 4x1GE (SFP), Console RJ-45

Minimum software requirement for new hardware is Cisco IOS Software Release 12.2(52)SG. The supervisor engine supports the basic Layer 3 software image, IP Base, when purchased as a spare or in a customer configured system, and the Layer 2 LAN Base software image when purchased as a preconfigured bundle.

To facilitate the migration of the installed base to these new products, Cisco is offering an enhanced trade-in program for existing products being traded to these new products. For more details, see the Cisco Trade-In Program site at www.cisco.com.

Service and Support

Cisco offers a wide range of services programs to accelerate customer success. These innovative services programs are delivered through a unique combination of people, processes, tools, and partners, resulting in high levels of customer satisfaction. Cisco Services help you protect your network investment, optimize network operations, and prepare your network for new applications to extend network intelligence and the power of your business. For more information about Cisco Services, refer to Cisco Technical Support Services or Cisco Advanced Services.

For More Information

Cisco Catalyst 4500 Series Switches:

http://www.cisco.com/en/US/products/hw/switches/ps4324/index.html

Cisco Catalyst 4500 E-Series Chassis:

http://www.cisco.com/en/US/prod/collateral/switches/ps5718/ps4324/product_data_sheet0900aecd801792b1.html

Cisco Catalyst 4500 E-Series Line Cards:

http://www.cisco.com/en/US/prod/collateral/modules/ps2710/ps5494/product_data_sheet0900aecd802109ea.html

Cisco Catalyst 4500 E-Series Q&A:

http://www.cisco.com/en/US/prod/collateral/switches/ps5718/ps4324/prod_qas0900aecd806d8b06.html

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