

Cisco Catalyst 4500 Series IEEE 802.3af PoE Line Cards Now Orderable

Integrated Resiliency For Advanced Control Of Converged Networks

The Cisco® Catalyst® 4500 Series Switch expands Power-over-Ethernet (PoE) support. PoE, offers greater flexibility and mobility to users by delivering standards-based integrated power to increase network flexibility and usefulness with the support of new devices, services, and applications. IEEE 802.3af PoE compliance is provided in the Catalyst 4500 Series with the introduction of three new line cards and Cisco IOS® Software Release 12.2(18)EW and CatOS Software Release 8.3(1)GLX to meet the needs of enterprise and commercial customers. Cisco recommends transitioning to these new standards based linecards, especially if you are considering the existing Catalyst 4500 prestandard PoE module (WS-X4148-RJ45V) for deployment in your network.

Following are the new Catalyst 4500 Series PoE line cards:

- Cisco Catalyst 4500 PoE 802.3af 10/100, 48-port (RJ45)
- Cisco Catalyst 4500 PoE 802.3af 10/100, 48-port (RJ21)
- Cisco Catalyst 4500 PoE 802.3af 10/100/1000, 48-port (RJ45)

Cisco Catalyst 4500 Series 802.3af Compliant PoE Line Cards



48-Port
10/100/1000BASE-TX RJ-45

48-Port
10/100BASE-TX RJ-45

48-Port
10/100BASE-TX RJ-21

The new line cards enhance the Cisco Catalyst 4500 Series portfolio by giving customers the flexibility to support either the IEEE 802.3af standard or the Cisco prestandard PoE implementation on the same line card. This ensures backward compatibility with existing Cisco powered devices. All three line cards support up to 15.4 Watts per port on all ports, optional power classifications, and intelligent power-management features. The new cards are compatible with any Catalyst 4500 Series or Catalyst 4000 Series chassis and can be deployed with any Supervisor Engine. Most importantly, the Catalyst 4500 Series has the power supplies and accessories to simultaneously support up to 15.4W per port on every port in any fully loaded Cisco Catalyst 4500 Switch.



Minimum Software Requirements For New Hardware

Product ID	Cisco IOS Software Release	Catalyst OS Version
WS-X4248-RJ45V	12.2(18)EW	8.3(1)GLX
WS-X4248-RJ21V	12.2(18)EW	8.3(1)GLX
WS-X4548-GB-RJ45V	12.2(18)EW	8.3(1)GLX

New Catalyst 4500 Standards Based PoE Linecard IDs and Descriptions

Product ID	Description
WS-X4248-RJ45V	Catalyst 4500 PoE 802.3af 10/100, 48-Ports(RJ45)
WS-X4248-RJ21V	Catalyst 4500 PoE 802.3af 10/100, 48-Ports(RJ21)
WS-X4548-GB-RJ45V	Catalyst 4500 PoE 802.3af 10/100/1000, 48-Ports(RJ45)

Online Documentation

For more information, see the following documents:

Cisco Catalyst 4500 Series Switches

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

Cisco Catalyst 4500 PoE Linecards, Power Supplies and other data sheets

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

Cisco Catalyst 4500 Series PoE white paper

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

Cisco PoE Page

www.cisco.com/go/poe



Corporate Headquarters

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-4000
800 553-NETS (6387)
Fax: 408 526-4100

European Headquarters

Cisco Systems International BV
Haarlerbergpark
Haarlerbergweg 13-19
1101 CH Amsterdam
The Netherlands
www-europe.cisco.com
Tel: 31 0 20 357 1000
Fax: 31 0 20 357 1100

Americas Headquarters

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-7660
Fax: 408 527-0883

Asia Pacific Headquarters

Cisco Systems, Inc.
Capital Tower
168 Robinson Road
#22-01 to #29-01
Singapore 068912
www.cisco.com
Tel: +65 6317 7777
Fax: +65 6317 7799

Cisco Systems has more than 200 offices in the following countries and regions. Addresses, phone numbers, and fax numbers are listed on the Cisco Web site at www.cisco.com/go/offices

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