

Cisco Catalyst 2960 Series Switches with Power over Ethernet (PoE)

PB423854

The Cisco® Catalyst® 2960 Series Switches with Power over Ethernet (PoE) are new members of the Cisco Catalyst 2960 Series of fixed-configuration standalone switches for entry-level enterprise, midmarket, and small branch office networks. This series include two Cisco Catalyst 2960 PoE Switches and one Cisco Catalyst 2960 Powered Device (PD) switch, which receives power through a PoE input port from an upstream PoE device.

The Cisco Catalyst 2960 Series with PoE allows connectivity to Ethernet powered devices including Cisco IP phones, wireless access points and video cameras. Cisco Catalyst 2960 Series with PoE models support Cisco pre-standard PoE and are IEEE 802.3af-compliant. The Cisco Catalyst 2960-24PC-L can support 24 simultaneous full-powered PoE ports at 15.4W. The Cisco Catalyst 2960-24LT-L has 24 10/100 Mbps ports with 8 simultaneous full-powered PoE ports at 15.4W.

The Cisco Catalyst 2960-8TT-L has eight 10/100 ports with one 10/100/1000 PoE input port. This switch does not need a power supply and receives power through the uplink from an upstream PoE switch, providing deployment flexibility and availability. It is ideal for wiring and space-constraint applications. The power adaptor (PWR-A=) and power cord are optional and may be purchased separately.

PoE eliminates the need for wall power to each PoE-enabled device and eliminates the cost for additional electrical cable and circuits that would otherwise be necessary in IP phone and WLAN deployments. PoE switches also eliminate the need for power injectors and PoE mid-spans for powering IP devices. Table 1 provides brief descriptions of the new switches.

Table 1. Cisco Catalyst Power over Ethernet(PoE) Switches

| Product Name (Part Number) | Description |
|--|--|
| Cisco Catalyst 2960-24LT-L Switch (WS-C2960-24LT-L) | <ul style="list-style-type: none"> • 24 Ethernet 10/100 ports with 8 PoE ports and two 10/100/1000TX uplinks • 1 RU fixed-configuration • LAN Base Image installed |
| Cisco Catalyst 2960-24PC-L Switch (WS-C2960-24PC-L) | <ul style="list-style-type: none"> • 24 Ethernet 10/100 PoE ports and two dual-purpose uplinks • 1 RU fixed-configuration • LAN Base Image installed |
| Cisco Catalyst 2960PD-8TT-L Switch (WS-C2960PD-8TT-L) | <ul style="list-style-type: none"> • 8 Ethernet 10/100 ports and one 10/100/1000 PoE input port • Power adaptor (PWR-A=) and power cord sold separately • Compact size with no fan; magnet included • LAN Base Image installed |

The Cisco Catalyst 2960 Series with PoE offers the following benefits:

- Support 15.4W up to 24 ports allowing seamless connectivity to PoE devices including Cisco IP phones, Cisco Aironet® wireless LAN access points, as well as any IEEE 802.3af-compliant end device.
- Cisco Discovery Protocol (CDP) version 2 allows the switch to negotiate a more granular power setting when connecting to a Cisco powered device, such as IP phones or access points, than what is provided by IEEE classification.
- PoE MIB provides proactive visibility into power usage and allows you to set different power level thresholds.
- Link Layer Discovery Protocol (LLDP and LLDP-MED) adds support for IEEE 802.1AB link layer discovery protocol for interoperability in multivendor networks.
- Network configuration, Cisco IOS® Software updates, and troubleshooting are easy using the embedded device manager and Cisco Network Assistant.
- These switches utilize IOS software rich capabilities including comprehensive layer 2 LAN features, intelligent Quality of Service (QoS), extensive security protection and network management features
- Limited lifetime hardware warranty.
- Software updates available at no additional cost.

The Cisco Catalyst 2960 PD switch offers the following benefits:

- No power supply required as the switch receives power over the uplink from an upstream PoE switch, providing deployment flexibility and availability.
- Limited lifetime hardware warranty.
- Software updates available at no additional cost.

Product Availability

The Cisco Catalyst 2960 Series Switches with PoE begin shipping in February 2008.

Product Information

Cisco Catalyst 2960 Series Switches

<http://www.cisco.com/go/catalyst2960>

Service and Support

Cisco SMARTnet® and SMB Support Assistant maintenance contracts are available for Cisco Catalyst 2960 Series Switches.



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