

## Cisco Catalyst 2960 48 Power over Ethernet (PoE) Switch

The Cisco® Catalyst® 2960 48 Power over Ethernet (PoE) switch is a new member of the Cisco Catalyst 2960 Series of fixed-configuration standalone switches with PoE for entry-level enterprise, midmarket, and small branch office networks. The Cisco Catalyst 2960 Series with PoE allows connectivity to Ethernet-powered devices, including Cisco IP phones, wireless access points, and video cameras.



The Cisco Catalyst 2960-48PST-L can support 48 PoE ports with total PoE power output capacity at 370W. Taking advantage of Cisco Catalyst Intelligent Power Management, the Cisco Catalyst 2960-48PST-L configuration can deliver the necessary power to support 24 ports at 15.4W, 48 ports at 7.7W, or any combination in between. Cisco Catalyst 2960 Series with PoE models support Cisco prestandard PoE and are IEEE 802.3af-compliant.

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 midspans for powering IP devices. Table 1 provides a brief description of the new switch.

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

Product Name (Part Number)	Description
<b>Cisco Catalyst 2960-48PST-L Switch (WS-C2960-48PST-L)</b>	<ul style="list-style-type: none"> <li>• 48 Ethernet 10/100 ports with 2 10/100/1000TX and 2 Small Form-Factor Pluggable (SFP) uplinks</li> <li>• 1 RU fixed-configuration</li> <li>• LAN Base image installed</li> </ul>

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

- Supports 15.4W up to 24 ports, allowing transparent 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 EnergyWise to measure, report and reduce energy usage across the entire organization.
- 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 LLDP 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 capabilities rich in Cisco IOS Software, 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.

### Product Availability

The new Cisco Catalyst 2960 48 PoE switch began shipping in December 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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