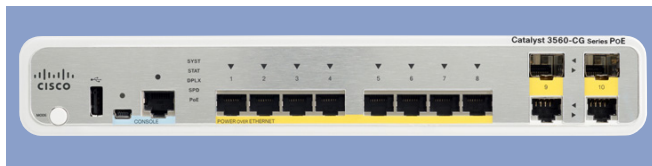


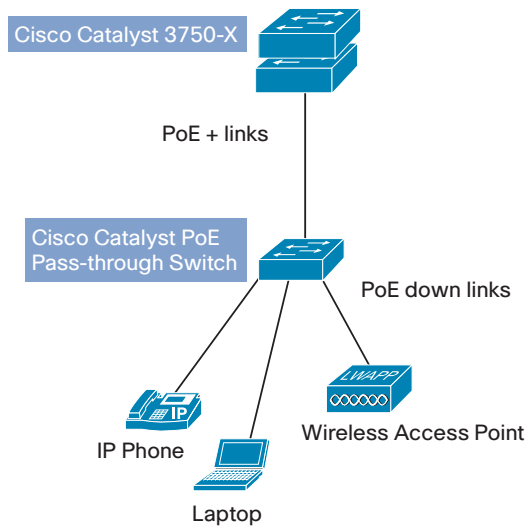


The redesigned Cisco® Catalyst® 3560-C and 2960-C Series Switches are the next generation of compact switches from Cisco designed to deliver unified communications, wireless, IP video, and other applications to the retail, hospitality, education, and enterprise customer. These compact switches are designed specifically to be placed outside the wiring closet, and the new compact switches contain a number of innovative features that give customers flexibility in switch placement and end device support with Power over Ethernet (PoE) pass-through, as well as advanced security services and ease of management features.



## What Is PoE Pass-Through?

PoE pass-through gives users the ability to power PoE and devices, as well as the switch itself, by drawing PoE+ power from a wiring closet switch, providing PoE or deployment flexibility. PoE pass-through technology is ideal for wiring and space-constrained applications. Cisco Catalyst compact switches that support PoE pass-through can have either non-PoE, PoE, or PoE+ capable downlink ports with two PoE+ input or uplink ports.



## What Types of Management Features Do the New Compact Switches Have?

Cisco Catalyst 3560-C and 2960-C compact switches make deployment and ongoing management easy with Cisco Smart Operations, which enables customers to reduce switch installation, configuration, troubleshooting time, and operational costs.

**Cisco Smart Install and Configuration** is a transparent automated technology to configure the Cisco IOS® Software image and switch configuration without user intervention. Cisco Smart Install enables a transparent automated network and provides a single point of management for a group of switches. Cisco Smart Install also adds the ability to archive and back up configuration files to a file server or switch.

**Cisco Auto SmartPorts** provides automatic configuration as devices connect to the switch port, allowing auto detection and plug and play of the device onto the network. It configures the port with predefined configurations encapsulating years of Cisco networking expertise, including security, IP telephony, availability, quality of service (QoS), and manageability features, with minimal effort and expertise.

**USB file storage and console** for file backup, distribution, and simplified operations allow users to back up and boot from a USB device and allow for mini-USB console access along with traditional RS-232 console port connectivity.

## Flexibility of Device Placement

The Cisco Catalyst 3560-C and 2960-C compact switches are designed to be placed outside of the wiring closets. In addition to the PoE pass-through functionality, which allows for switch placement where there is no power supply. PoE pass-through also allows flexibility of deployment end devices that might not have access to power outlets. These end devices include IP phones, wireless access points, IP cameras, video cameras, point-of-sale devices, printers, security access control, and building automation. The compact switches have a variety of mounting options that allow the switches to be wall mounted as well as mounted under a desk or to any metal surface. There is also a cable guard that can be used to prevent unauthorized access to the physical cabling.

## Security and EnergyWise

The Cisco Catalyst 3560-C and 2960-C compact switches provide customers with an unprecedented level of security features such as Cisco TrustSec® technology. Customers will also benefit from power saving features in Cisco EnergyWise.



## Cisco TrustSec Security

**Strengthen security:** Cisco TrustSec secures access to the network and resources, whether wired, wireless, or VPN, making sure that endpoint devices are authorized and healthy. Cisco TrustSec enforces security policies across the entire network. Furthermore, Cisco TrustSec protects network data confidentiality and integrity with switch port-level encryption. The consistency, efficiency, and role-aware networking capabilities delivered by Cisco TrustSec enable a secure collaborative business environment and a transparent user experience.

**Address compliance:** Cisco TrustSec helps address compliance requirements by knowing who's coming to the network, what they are doing on the network, and what type of resources they are allowed to access. Customers can use the information and capabilities for controls, auditing, and reporting as part of their effort to meet compliance requirements.

**MACSec:** The Cisco Catalyst 3560-C Series Switch offers exceptional security with integrated hardware support for MACSec defined in IEEE 802.1AE. MACSec provides MAC layer encryption over wired networks using out-of-band methods for encryption keying. The MACSec Key Agreement (MKA) protocol provides the required session keys and manages the keys required for encryption when configured. MKA and MACSec are implemented following successful authentication using 802.1x Extensible Authentication Protocol (EAP) framework. In Cisco Catalyst 3560-C Series Switches only the user/down-link ports (links between the switch and endpoint devices such as a PC or IP phone) can be secured using MACSec.

## Cisco EnergyWise

**Cisco EnergyWise** is an innovative architecture, added to the Cisco Catalyst 3560-C and 2960-C switches that enables the measurement of power consumption in the network infrastructure and network-attached devices. EnergyWise encompasses a highly intelligent network-based approach to communicate messages that measure and control energy between network devices and endpoints. The network discovers Cisco EnergyWise manageable devices, monitors their power consumption, and takes action based on business rules to reduce power consumption.

**Efficient switch operation:** Cisco Catalyst 3560-C and 2960-C use hardware components created by Cisco providing optimum power-saving, low-power operations for industry best-in-class power management and power consumption capabilities. The Cisco Catalyst 3560-C ports are capable of reduced power modes so that ports not in use can move into a lower power utilization state.



## Warranty Coverage and Technical Service Options

The Cisco Catalyst 2960-C and 3560-C Series Switches come with an enhanced limited lifetime hardware warranty (E-LLW) that includes 90 days of Cisco Technical Assistance Center (TAC) support and next-business-day hardware replacement where available.

Adding a technical services contract, such as Cisco SMARTnet® Service, to your device coverage provides access to the Cisco Technical Assistance Center (TAC) beyond the 90-day period allowed by the E-LLW. It also can provide a variety of hardware replacement options to meet critical business needs, updates for licensed premium IOS software, and registered access to the extensive Cisco.com knowledge base and support tools.

For more information about Cisco warranties, visit [www.cisco.com/go/warranty](http://www.cisco.com/go/warranty).

For information about Cisco Technical Services, visit [www.cisco.com/go/ts](http://www.cisco.com/go/ts).

## Product Availability

Shipping worldwide, no restrictions.

## For More Information

[http://www.cisco.com/en/US/products/ps11527/Products\\_Sub\\_Category\\_Home.html](http://www.cisco.com/en/US/products/ps11527/Products_Sub_Category_Home.html)