Cisco Catalyst 2960-X Series Switches

PB728262

Cisco® Catalyst® 2960-X Series Switches are the next generation of the world's most widely deployed access switches. They enable intelligent services such as application visibility, Smart Operations, Layer 3 routing and deliver best-in-class energy efficiency with up to 80 percent energy savings. Designed for operational simplicity to lower TCO, this platform offers investment protection with mixed stacking with Cisco Catalyst 2960-S and 2960-SF switches and Out-of-The wiring closet stacking options with Catalyst 2960-X and 2960-XR.

Cisco is introducing the Cisco Catalyst 2960-X series of stackable Gigabit Ethernet access switches, the game changing product to promote IT transformation:

- The **Cisco Catalyst 2960-X** models provide Layer 2 switching and have one fixed power-supply with an optional external redundant power supply. They provide 24 and 48 Gigabit Ethernet ports, with Power over Ethernet/Power over Ethernet Plus (PoE/PoE+) support and four Gigabit Ethernet SFP or two 10 Gigabit Ethernet Small Form-Factor Pluggable Plus (SFP+) uplinks.
- The **Cisco Catalyst 2960-XR** models offer all the features of the Cisco Catalyst 2960-X. In addition, they introduce Layer 3 routing functionality for the first time in the Cisco Catalyst 2960 Series. They also have two field-replaceable redundant power supply modules for power redundancy.



Primary Features and Benefits

- FlexStack-Plus with up to 80 GB of stack bandwidth and up to 8 members in a stack.
- FlexStack-Extended capabilities with up to 40 GB of stack bandwidth and up to 8 members in a stack for out-of- the wiring closet distance stacking.
- Innovative energy saving hibernation modes that reduce energy consumption by up to 90% when the switch is not in use (nights, weekends).
- IEEE 802.3az EEE (Energy-Efficient Ethernet) enables dynamic power savings on all switch ports.
- Cisco EnergyWise services empowers IT teams to measure and manage the power consumed by devices connected to the network, providing measurable energy savings and reduced greenhouse gas emissions.

- Smart Install automatically downloads Cisco IOS® Software and configures the switches for zero-touch deployment.
- Auto Smart Ports automatically configures port settings (VLAN, security, QoS) based on device type (for example, IP phones, access points) for simplified configuration and rapid deployment.
- NetFlow Lite detects IP packet types and provides enhanced visibility into the network.
- Standards-based 802.1x enables port-based network access control. 802.1x monitor mode simplifies firsttime 802.1 x deployments by allowing user traffic pass-through while monitoring the access. IT can then implement 802.1x in phases.
- IPv6 First Hop Security protects against IPv6 address theft and malicious attacks.
- One policy through integration with Cisco Identity Services Engine (ISE) simplifies policy management in our 2960-XR switches.
- One management through integration with Cisco Prime™ provides ease of use.

Software Policy for Cisco Catalyst 2960-X Series Switches

Customers with Cisco Catalyst LAN Lite, LAN Base, and IP Lite software feature sets will be provided with maintenance updates and bug fixes designed to maintain the compliance of the software with published specifications, release notes, and industry standards as long as the original end user continues to own or use the product or up to one year from the end-of-sale date for this product, whichever occurs earlier.

Cisco Enhanced Limited Lifetime Hardware Warranty

The Cisco Catalyst 2960-X Series Switches come with an enhanced limited lifetime warranty (E-LLW) that includes next-business-day (NBD) delivery of replacement hardware where available and 90 days of 8x5 Cisco Technical Assistance Center (TAC) support.

Your formal warranty statement, including the warranty applicable to Cisco software, appears in the Cisco information packet that accompanies your Cisco product. We encourage you to review carefully the warranty statement shipped with your specific product before use.

Cisco reserves the right to refund the purchase price as its exclusive warranty remedy.

For further information on warranty terms, visit https://www.cisco.com/go/warranty. Table 8 provides information about the E-LLW.

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