Cisco Catalyst 2960 Series Switches

The Cisco® Catalyst® 2960 Series Switches are stand-alone fixed-configuration switches offering Fast Ethernet and Gigabit Ethernet connectivity with LAN services for midmarket and branch office networks.

Cisco Catalyst 2960 Series Intelligent Ethernet switches are offered in two categories:

- Cisco Catalyst 2960 Series with LAN Base software (Figure 1)
- Cisco Catalyst 2960 Series with LAN Lite software

Figure 1. Cisco Catalyst 2960 Models with LAN Base Software

Cisco Catalyst 2960 Series Switches with LAN Base software deliver intelligent services for commercial and midsize enterprise wiring closets and branch offices. The LAN Base software supports enhanced integrated security, including Network Admission Control (NAC), advanced quality of service (QoS), availability, and scalable management to enable new converged applications.

Primary Benefits

- **Connectivity:** Fast Ethernet and Gigabit Ethernet connectivity in 8-port, 24-port, and 48-port configurations
- **Power over Ethernet (PoE):** 48 PoE ports, 24 full PoE ports and 24-ports (PoE supported on 8 ports) configurations
- **Advanced Services:** Layer 2 switching with intelligent Layer 2 through 4 services for the network edge such as voice, video, and wireless LAN

- Simplified installation, configuration and troubleshooting with ease of use capabilities such as Auto Smart Ports and DHCP Auto Install
- **Security:** Network security enabled through a wide range of authentication methods, data encryption technologies, and NAC based on users, ports, and MAC addresses
- **Advanced availability:** 802.1S/W enables standards-based fault tolerance, load balancing, and rapid recovery; FlexLinks provides sub-100-millisecond convergence; Per VLAN Spanning Tree Plus (PVST+) increases available bandwidth by allowing traffic on redundant links
- **QoS and Multicast:** Industry-leading mechanisms for marking, classification, and scheduling to deliver superior network performance
- Hardware-based multicast services for corporate communications, E-learning, IP video surveillance, high definition video, and distribution of data to desktops in a scalable, reliable and efficient manner
- AC power supply failure protection with external power supply using Cisco Redundant Power System 2300
- **Management:** Cisco Network Assistant simplifies configuration, upgrades, and troubleshooting; Express Setup is quick and easy using the webpage interface
- The ability to enhance sustainability, green IT, and reduce costs with Cisco EnergyWise
- Single IP address, SYSLOG, SNMP management for a stack of up to 16 switches
- Limited lifetime hardware warranty
- Software updates at no additional charge

Customers

The Cisco Catalyst 2960 switches with LAN Base software are for users who:

- Want to power PoE devices, including Cisco IP phones, wireless access points, or IP video cameras.
- Expect intelligent services for new converged applications for midmarket wiring closets and small branch offices
- Are interested in intelligent features and capabilities such as QoS, enhanced security, and availability
- Want to quickly deploy and easily manage their networks and are interested in ease of installation, configuration and troubleshooting

Cisco Catalyst 2960 switches with the LAN Lite software image (Figure 2) simplify the migration from nonintelligent hubs and unmanaged switches to a fully scalable managed network. The LAN Lite Cisco IOS® Software provides entry-level security, QoS, PoE, and availability capabilities while lowering the network total cost of ownership.

Figure 2 Cisco Catalyst 2960 Models with LAN Lite Software

Primary Benefits

- Layer 2 Fast Ethernet switching in 8-port, 24-port, and 48-port configurations
- Power over Ethernet (PoE): 24 full PoE port and 24-port (PoE supported on 8 ports) configurations
- Security management through SSH, SSL, SNMPv3, and Network Admission Control enabled through 802.1x, MAC-Auth Bypass, and Port Security
- Availability: 802.1S/W enables standards-based fault tolerance, load balancing, and rapid recovery; PVST+ increases available bandwidth by allowing traffic on redundant links
- QoS: Traffic classification and shaping to prioritize various applications
- Management: Cisco IOS software based switch operation, Cisco Network Assistant support: Express Setup is quick and easy using the web page interface for network configuration
- Simplified installation, configuration and trouble-shooting with ease of use capabilities such as Auto Smart Ports and DHCP Auto Install
- Enhanced troubleshooting for link connectivity issues and cable diagnostics
- Single IP address, SYSLOG, SNMP management for a stack of up to 16 switches
- Limited lifetime hardware warranty
- Software updates available at no additional charge

Customers

The Cisco Catalyst 2960 switches with LAN Lite software are for users who:

- Are looking for basic connectivity with entry-level QoS, PoE, security, and availability
- Want to upgrade their network from hubs and older unmanaged switches for better performance and reliability
- Need to support new applications to provide real-time access to information
- Have limited IT staff and want to quickly deploy and easily manage their networks using a common network management platform
- Need to comply with new data security regulations
- Small and mid-size business customers who want to own and experience Cisco brand, reliability and support.

Ordering Information

Table 1. Cisco Catalyst 2960 Models with LAN Base Image

WS-C2960PD-8TT-L	8 10/100 with 1 10/100/1000 PoE input port
WS-C2960-8TC-L	8 10/100 and 1 dual-purpose uplink (10/100/1000BASE-T or SFP port); compact form factor
WS-C2960-24TT-L	24 10/100 and 2 10/100/1000
WS-C2960-24TC-L	24 10/100 and 2 dual-purpose uplinks
WS-C2960-24PC-L	24 10/100 PoE and 2 dual-purpose uplinks
WS-C2960-24LT-L	24 10/100 (PoE supported on 8 ports) and 2 10/100/1000
WS-C2960-48TT-L	48 10/100 and 2 10/100/100
WS-C2960-48TC-L	48 10/100 and 2 dual-purpose uplinks
WS-C2960G-8TC-L	7 10/100/1000 and 1 dual-purpose uplink; compact form factor
WS-C2960G-24TC-L	20 10/100/1000 and 4 dual-purpose uplinks
WS-C2960G-48TC-L	44 10/100/1000 and 4 dual-purpose uplinks

Table 2. Cisco Catalyst 2960 Models with LAN Lite image

WS- C2960-8TC-S	8 10/100 and 1 dual-purpose uplink
WS-C2960-24-S	24 10/100 ports
WS-C2960-24TC-S	24 10/100 and 2 dual-purpose uplinks
WS-2960-24PC-S	24 10/100 PoE ports and 2 dual-purpose uplinks
WS-2960-24LC-S	24 10/100 (8 port PoE) and 2 dual-purpose uplinks
WS-C2960-48TT-S	48 10/100 and 2 10/100/1000
WS-C2960-48TC-S	48 10/100 and 2 dual-purpose uplinks
WS-2960-48PST-S	48 10/100 POE ports and 2 10/100/1000 and 2 SFP uplinks

Pricing Information

For pricing information, visit https://tools.cisco.com/qtc/pricing/MainServlet.

Learn More About Cisco Catalyst 2960 Series Switches

For more information, visit http://www.cisco.com/go/catalyst2960.