



Switch Configurations

Table 1 shows Cisco Catalyst 2960-Plus Series configurations.

Table 1. Cisco Catalyst 2960-Plus Series Configurations

Model	10/100 Ethernet Interfaces	Uplink Interfaces	Cisco IOS Software Feature Set	Available PoE Power
Cisco Catalyst 2960-Plus 48PST-L	48	2 SFP and 2 1000BASE-T	LAN Base	370W
Cisco Catalyst 2960-Plus 24PC-L	24	2 (SFP or 1000BASE-T)	LAN Base	370W
Cisco Catalyst 2960-Plus 24LC-L	24	2 (SFP or 1000BASE-T)	LAN Base	123W
Cisco Catalyst 2960-Plus 48TC-L	48	2 (SFP or 1000BASE-T)	LAN Base	-
Cisco Catalyst 2960-Plus 24TC-L	24	2 (SFP or 1000BASE-T)	LAN Base	-
Cisco Catalyst 2960-Plus 48PST-S	48	2 SFP and 2 1000BASE-T	LAN Lite	370W
Cisco Catalyst 2960-Plus 24PC-S	24	2 (SFP or 1000BASE-T)	LAN Lite	370W
Cisco Catalyst 2960-Plus 24LC-S	24	2 (SFP or 1000BASE-T)	LAN Lite	123W
Cisco Catalyst 2960-Plus 48TC-S	48	2 (SFP or 1000BASE-T)	LAN Lite	-
Cisco Catalyst 2960-Plus 24TC-S	24	2 (SFP or 1000BASE-T)	LAN Lite	-

Robust Security

The Cisco Catalyst 2960-Plus Series Switches provide a range of security features to limit access to the network and mitigate threats, including:

- Features to control access to the network, including Flexible Authentication, 802.1x Monitor Mode, and RADIUS Change of Authorization
- Threat defense features including Port Security, Dynamic ARP Inspection, and IP Source Guard
- Private VLAN Edge to provide isolation between switch ports

For more information about Cisco security solutions, visit cisco.com/go/trustsec.

Enterprise-Class Quality of Service

The Cisco 2960-Plus Series Switches offer intelligent traffic management that keeps everything flowing smoothly. Flexible mechanisms for marking, classification, and scheduling deliver superior performance for data, voice, and video traffic, all at wire speed. Primary QoS features include:

- Four egress queues per port and strict priority queuing so that the highest priority packets are serviced ahead of all other traffic
- Shaped Round Robin (SRR) scheduling and Weighted Tail Drop (WTD) congestion avoidance
- Flow-based rate limiting and up to 64 aggregate or individual policers per port
- 802.1p class of service (CoS) and differentiated services code point (DSCP) field classification, with marking and reclassification on a per-packet basis by source and destination IP address, MAC address, or Layer 4 TCP/UDP port number

Cisco Catalyst SmartOperations

Cisco Catalyst SmartOperations is a comprehensive set of capabilities that simplify LAN planning, deployment, monitoring, and troubleshooting. Deploying SmartOperations tools reduces the time and effort required to operate the network and lowers total cost of ownership (TCO).

- **Cisco Smart Install** enables zero-touch deployment by providing automated Cisco IOS Software image installation and configuration when new switches are connected to the network.
- **Cisco Auto Smartports** enables automatic configuration of switch ports as devices connect to the switch, with settings optimized for the device type.
- **Cisco Smart Troubleshooting** is an extensive array of diagnostic commands and system health checks within the switch, including Smart Call Home.

For more information about Cisco Catalyst SmartOperations, visit cisco.com/go/smartoperations.

Cisco EnergyWise

Cisco EnergyWise™ 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. EnergyWise policies can be used to control the power consumed by PoE-powered endpoints, desktop and data-center IT equipment, and a wide range of building infrastructure. EnergyWise technology is included on all Cisco Catalyst 2960-Plus Series Switches.

For more information about Cisco EnergyWise, visit cisco.com/go/energywise.

Power over Ethernet

Cisco Catalyst 2960-Plus switches support IEEE 802.3af Power over Ethernet (PoE) to deliver lower total cost of ownership for deployments that incorporate Cisco IP phones, Cisco Aironet® wireless access points, or other standards-compliant PoE end devices. PoE removes the need to supply wall power to PoE-enabled devices and eliminates the cost of adding electrical cabling and circuits that would otherwise be necessary in IP phone and WLAN deployments. Table 2 shows the total PoE power available with each 2960-Plus model.

Table 2. Switch PoE Power Capacity

Switch Model	Maximum Number of PoE (IEEE 802.3af) Ports*	Available PoE Power
Cisco Catalyst 2960-Plus 48PST-L	24 ports up to 15.4W	370W
Cisco Catalyst 2960-Plus 24PC-L	24 ports up to 15.4W	370W
Cisco Catalyst 2960-Plus 24LC-L	8 ports up to 15.4W	123W
Cisco Catalyst 2960-Plus 48PST-L	24 ports up to 15.4W	370W
Cisco Catalyst 2960-Plus 24PC-L	24 ports up to 15.4W	370W
Cisco Catalyst 2960-Plus 24LC-L	8 ports up to 15.4W	123W

* Intelligent power management allows flexible power allocation across all ports.

Network Management

The Cisco Catalyst 2960-Plus Series Switches offer a superior CLI for detailed configuration and administration. 2960-Plus switches are also supported in the full range of Cisco network management solutions.

Cisco Prime Infrastructure

Cisco Prime™ network management solutions provide comprehensive network lifecycle management. Cisco Prime Infrastructure provides an extensive library of easy-to-use features to automate the initial and day-to-day management of your Cisco network. Cisco Prime integrates hardware and software platform expertise and operational experience into a powerful set of workflow-driven configuration, monitoring, troubleshooting, reporting, and administrative tools.

For detailed information about Cisco Prime, visit cisco.com/go/prime.

Cisco Network Assistant

A PC-based network management application designed for small and medium-sized business (SMB) networks with up to 250 users, Cisco Network Assistant offers centralized network management and configuration capabilities. This application also features an intuitive GUI where users can easily apply common services across Cisco switches, routers, and access points.

For detailed information about Cisco Network Assistant, visit cisco.com/go/cna.

Cisco IOS Software

Cisco Catalyst 2960-Plus Series Switches are available with the LAN Base and LAN Lite feature sets. LAN Lite models provide reduced functionality and scalability for small deployments with basic requirements.

Note that each switch model is tied to a specific feature level; LAN Lite models cannot be upgraded to the LAN Base feature set.

For more information about the features included in the LAN Base and LAN Lite feature sets, refer to Cisco Feature Navigator: <http://tools.cisco.com/ITDIT/CFN>.

Technical Specifications

Tables 3 through 10 list information about hardware, performance, forwarding performance, mechanical and environmental specifications, connectors and interfaces, management and standards support, voltage and power ratings, and power consumption, respectively.

Table 3. Cisco Catalyst 2960-Plus Series Hardware

Hardware Specifications	
Flash memory	64 MB
DRAM	128 MB

Table 4. Cisco Catalyst 2960-Plus Series Performance

Performance and Scalability		
	LAN Base (-L) Models	LAN Lite (-S) Models
Forwarding bandwidth	16 Gbps	16 Gbps
Maximum active VLANs	255	64
VLAN IDs available	4K	4K
Maximum transmission unit (MTU) - L3 packet	9000 bytes	9000 bytes
Jumbo frame - Ethernet frame	9018 bytes	9018 bytes

* Switching bandwidth is full-duplex capacity.

Table 5. Cisco Catalyst 2960-Plus Series Forwarding Performance

Forwarding Rate: 64-Byte L3 Packets, Millions of packets per second	
Cisco Catalyst 2960-Plus 48PST-L	13.1
Cisco Catalyst 2960-Plus 24PC-L	6.5
Cisco Catalyst 2960-Plus 24LC-L	6.5
Cisco Catalyst 2960-Plus 48TC-L	10.1
Cisco Catalyst 2960-Plus 24TC-L	6.5
Cisco Catalyst 2960-Plus 48PST-S	13.1
Cisco Catalyst 2960-Plus 24PC-S	6.5
Cisco Catalyst 2960-Plus 24LC-S	6.5
Cisco Catalyst 2960-Plus 48TC-S	10.1
Cisco Catalyst 2960-Plus 24TC-S	6.5

Table 6. Cisco Catalyst 2960-Plus Mechanical and Environmental Specifications

Dimensions (H x W x D)		
Model	Inches	Centimeters
Cisco Catalyst 2960-Plus 48PST-L	1.73 x 17.70 x 13.07	4.4 x 45.0 x 33.2
Cisco Catalyst 2960-Plus 24PC-L		
Cisco Catalyst 2960-Plus 24LC-L		
Cisco Catalyst 2960-Plus 48TC-L	1.73 x 17.70 x 9.52	4.4 x 45.0 x 24.2
Cisco Catalyst 2960-Plus 24TC-L		
Cisco Catalyst 2960-Plus 48PST-S	1.73 x 17.70 x 13.07	4.4 x 45.0 x 33.2
Cisco Catalyst 2960-Plus 24PC-S		
Cisco Catalyst 2960-Plus 24LC-S		
Cisco Catalyst 2960-Plus 48TC-S	1.73 x 17.70 x 9.52	4.4 x 45.0 x 24.2
Cisco Catalyst 2960-Plus 24TC-S		
Weight		
Model	Pounds	Kilograms
Cisco Catalyst 2960-Plus 48PST-L	12	5.4
Cisco Catalyst 2960-Plus 24PC-L	12	5.4
Cisco Catalyst 2960-Plus 24LC-L	10	4.5
Cisco Catalyst 2960-Plus 48TC-L	8	3.6
Cisco Catalyst 2960-Plus 24TC-L	8	3.6
Cisco Catalyst 2960-Plus 48PST-S	12	5.4
Cisco Catalyst 2960-Plus 24PC-S	12	5.4
Cisco Catalyst 2960-Plus 24LC-S	10	4.5
Cisco Catalyst 2960-Plus 48TC-S	8	3.6
Cisco Catalyst 2960-Plus 24TC-S	8	3.6
Environmental Ranges		
	Fahrenheit	Centigrade
Operating temperature up to 5000 ft (1500 m)	23° to 113°F	-5° to 40°C
Operating temperature up to 10,000 ft (3000 m)	23° to 104°F	-5° to 40°C
Short-term exception at sea level*	23° to 131°F	-5° to 55°C

Short-term exception up to 5000 feet (1500 m)*	23° to 122°F	-5° to 50°C		
Short-term exception up to 10,000 feet (3000 m)*	23° to 113°F	-5° to 45°C		
Short-term exception up to 13,000 feet (4000 m)*	23° to 104°F	-5° to 40°C		
Storage temperature up to 15,000 feet (4573 m)	23° to 158°F	-25° to 70°C		
	Feet	Meters		
Operating altitude	Up to 10,000	Up to 3,000		
Storage altitude	Up to 13,000	Up to 4,000		
Operating relative humidity	10% to 95% noncondensing			
Storage relative humidity	10% to 95% noncondensing			
Acoustic Noise				
Measured per ISO 7779 and declared per ISO 9296.				
Bystander positions operating mode at 25°C ambient.				
	Sound Pressure, dBA		Sound Power, dbA	
Model	Typical, LpAm	Maximum, LpAD	Typical, LwA	Maximum, LwAD
Cisco Catalyst 2960-Plus 48PST-L	41	44	51	54
Cisco Catalyst 2960-Plus 24PC-L	43	46	53	56
Cisco Catalyst 2960-Plus 24LC-L	43	46	53	56
Cisco Catalyst 2960-Plus 48TC-L	33	36	43	46
Cisco Catalyst 2960-Plus 24TC-L	33	36	43	46
Cisco Catalyst 2960-Plus 48PST-S	41	44	51	54
Cisco Catalyst 2960-Plus 24PC-S	43	46	53	56
Cisco Catalyst 2960-Plus 24LC-S	43	46	53	56
Cisco Catalyst 2960-Plus 48TC-S	33	36	43	46
Cisco Catalyst 2960-Plus 24TC-S	33	36	43	46
Predicted Reliability				
Model	MTBF in thousands of hours**			
Cisco Catalyst 2960-Plus 48PST-L	312			
Cisco Catalyst 2960-Plus 24PC-L	382			
Cisco Catalyst 2960-Plus 24LC-L	498			
Cisco Catalyst 2960-Plus 48TC-L	623			
Cisco Catalyst 2960-Plus 24TC-L	667			
Cisco Catalyst 2960-Plus 48PST-S	312			
Cisco Catalyst 2960-Plus 24PC-S	381			
Cisco Catalyst 2960-Plus 24LC-S	498			
Cisco Catalyst 2960-Plus 48TC-S	623			
Cisco Catalyst 2960-Plus 24TC-S	667			

* Not more than the following in a 1-year period: 96 consecutive hours, or 360 hours total, or 15 occurrences.

** Based on Telcordia SR-332 Issue 3 methodology.

Table 7. Connectors and Interfaces

Ethernet Interfaces
<ul style="list-style-type: none"> • 10BASE-T ports: RJ-45 connectors, 2-pair Category 3, 4, or 5 unshielded twisted-pair (UTP) cabling • 100BASE-TX ports: RJ-45 connectors, 2-pair Category 5 UTP cabling • 1000BASE-T ports: RJ-45 connectors, 4-pair Category 5 UTP cabling • 1000BASE-T SFP-based ports: RJ-45 connectors, 4-pair Category 5 UTP cabling

SFP and SFP+ Interfaces

For information about supported SFP/SFP+ modules, refer to the Transceiver Compatibility matrix tables at cisco.com/en/US/products/hw/modules/ps5455/products_device_support_tables_list.html.

Indicator LEDs

- Per-port status: Link integrity, disabled, activity, speed, and full duplex
- System status, Port Status, RPS, link duplex, PoE, and link speed

Console

Cisco Catalyst console cables:

- CAB-CONSOLE-RJ45 Console cable 6 ft. with RJ-45

Power

- The internal power supply is an auto-ranging unit and supports input voltages between 100 and 240V AC.
- Use the supplied AC power cord to connect the AC power connector to an AC power outlet.
- The Cisco RPS connector offers connection for an optional Cisco RPS 2300 that uses AC input and supplies DC output to the switch.
- Only the Cisco RPS 2300 (model PWR-RPS2300) should be attached to the redundant-power-system receptacle.

Table 8. Management and Standards Support

Category	Specification
Management	<div><div><ul style="list-style-type: none">• BRIDGE-MIB• CISCO-CABLE-DIAG-MIB• CISCO-CDP-MIB• CISCO-CLUSTER-MIB• CISCO-CONFIG-COPY-MIB• CISCO-CONFIG-MAN-MIB• CISCO-DHCP-SNOOPING-MIB• CISCO-ENTITY-VENDORTYPE-OID-MIB• CISCO-ENVMON-MIB• CISCO-ERR-DISABLE-MIB• CISCO-FLASH-MIB• CISCO-FTP-CLIENT-MIB• CISCO-IGMP-FILTER-MIB• CISCO-IMAGE-MIB• CISCO-IP-STAT-MIB• CISCO-LAG-MIB• CISCO-MAC-NOTIFICATION-MIB• CISCO-MEMORY-POOL-MIB• CISCO-PAGP-MIB• CISCO-PING-MIB• CISCO-POE-EXTENSIONS-MIB• CISCO-PORT-QOS-MIB• CISCO-PORT-SECURITY-MIB• CISCO-PORT-STORM-CONTROL-MIB• CISCO-PRODUCTS-MIB• CISCO-PROCESS-MIB• CISCO-RTTMON-MIB• CISCO-SMI-MIB• CISCO-STP-EXTENSIONS-MIB• CISCO-SYSLOG-MIB</div><div><ul style="list-style-type: none">• CISCO-TC-MIB• CISCO-TCP-MIB• CISCO-UDLD-MIB• CISCO-VLAN-IFTABLE• RELATIONSHIP-MIB• CISCO-VLAN-MEMBERSHIP-MIB• CISCO-VTP-MIB• ENTITY-MIB• ETHERLIKE-MIB• IEEE8021-PAE-MIB• IEEE8023-LAG-MIB• IF-MIB• INET-ADDRESS-MIB• OLD-CISCO-CHASSIS-MIB• OLD-CISCO-FLASH-MIB• OLD-CISCO-INTERFACES-MIB• OLD-CISCO-IP-MIB• OLD-CISCO-SYS-MIB• OLD-CISCO-TCP-MIB• OLD-CISCO-TS-MIB• RFC1213-MIB• RMON-MIB• RMON2-MIB• SNMP-FRAMEWORK-MIB• SNMP-MPD-MIB• SNMP-NOTIFICATION-MIB• SNMP-TARGET-MIB• SNMPv2-MIB• TCP-MIB• UDP-MIB• ePM MIB</div></div>
For an updated list of supported MIBs, refer to the MIB Locator at cisco.com/go/mibs .	

Category	Specification	
Standards	<ul style="list-style-type: none"> • IEEE 802.1D Spanning Tree Protocol • IEEE 802.1p CoS Prioritization • IEEE 802.1Q VLAN • IEEE 802.1s • IEEE 802.1w • IEEE 802.1X • IEEE 802.1ab (LLDP) • IEEE 802.3ad • IEEE 802.3af • IEEE 802.3ah (100BASE-X single/multimode fiber only) • IEEE 802.3x full duplex on 10BASE-T, 100BASE-TX, and 1000BASE-T ports 	<ul style="list-style-type: none"> • IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • IEEE 802.3z 1000BASE-X • RMON I and II standards • SNMP v1, v2c, and v3
RFC compliance	<ul style="list-style-type: none"> • RFC 768 - UDP • RFC 783 - TFTP • RFC 791 - IP • RFC 792 - ICMP • RFC 793 - TCP • RFC 826 - ARP • RFC 854 - Telnet • RFC 951 - Bootstrap Protocol (BOOTP) • RFC 959 - FTP • RFC 1112 - IP Multicast and IGMP • RFC 1157 - SNMP v1 • RFC 1166 - IP Addresses • RFC 1256 - Internet Control Message Protocol (ICMP) Router Discovery • RFC 1305 - NTP • RFC 1492 - TACACS+ • RFC 1493 - Bridge MIB • RFC 1542 - BOOTP extensions • RFC 1643 - Ethernet Interface MIB • RFC 1757 - RMON 	<ul style="list-style-type: none"> • RFC 1901 - SNMP v2C • RFC 1902-1907 - SNMP v2 • RFC 1981 - Path MTU Discovery for IPv6 • RFC 2068 - HTTP • RFC 2131 - DHCP • RFC 2138 - RADIUS • RFC 2233 - IF MIB v3 • RFC 2373 - IPv6 Aggregatable Addrs • RFC 2460 - IPv6 • RFC 2461 - IPv6 Neighbor Discovery • RFC 2462 - IPv6 Autoconfiguration • RFC 2463 - ICMP IPv6 • RFC 2474 - Differentiated Services (DiffServ) Precedence • RFC 2597 - Assured Forwarding • RFC 2598 - Expedited Forwarding • RFC 2571 - SNMP Management • RFC 3046 - DHCP Relay Agent Information Option • RFC 3376 - IGMP v3 • RFC 3580 - 802.1X RADIUS

Table 9. Voltage and Power Ratings

Input Voltage and Current			
Model	Voltage (Autoranging)	Current (Amperes)	Frequency
Cisco Catalyst 2960-Plus 48PST-L	100 to 240 VAC	4.0 - 2.0	50 to 60Hz
Cisco Catalyst 2960-Plus 24PC-L		4.0 - 2.0	
Cisco Catalyst 2960-Plus 24LC-L		1.4 - 0.8	
Cisco Catalyst 2960-Plus 48TC-L		0.6 - 0.3	
Cisco Catalyst 2960-Plus 24TC-L		0.4 - 0.2	
Cisco Catalyst 2960-Plus 48PST-S		4.0 - 2.0	
Cisco Catalyst 2960-Plus 24PC-S		4.0 - 2.0	
Cisco Catalyst 2960-Plus 24LC-S		1.4 - 0.8	
Cisco Catalyst 2960-Plus 48TC-S		0.6 - 0.3	
Cisco Catalyst 2960-Plus 24TC-S		0.4 - 0.2	
Power Rating (kVA)			
Cisco Catalyst 2960-Plus 48PST-L	0.46		
Cisco Catalyst 2960-Plus 24PC-L	0.43		
Cisco Catalyst 2960-Plus 24LC-L	0.16		

Cisco Catalyst 2960-Plus 48TC-L	0.04	
Cisco Catalyst 2960-Plus 24TC-L	0.03	
Cisco Catalyst 2960-Plus 48PST-S	0.46	
Cisco Catalyst 2960-Plus 24PC-S	0.43	
Cisco Catalyst 2960-Plus 24LC-S	0.16	
Cisco Catalyst 2960-Plus 48TC-S	0.04	
Cisco Catalyst 2960-Plus 24TC-S	0.02	
DC Input Voltages (RPS Input)		
Cisco Catalyst 2960-Plus 48PST-L	3A at 12V	7A at -52V
Cisco Catalyst 2960-Plus 24PC-L	2A at 12V	7A at -52V
Cisco Catalyst 2960-Plus 24LC-L	2A at 12V	3A at -52V
Cisco Catalyst 2960-Plus 48TC-L	3A at 12V	-
Cisco Catalyst 2960-Plus 24TC-L	2A at 12V	-
Cisco Catalyst 2960-Plus 48PST-S	3A at 12V	7A at -52V
Cisco Catalyst 2960-Plus 24PC-S	2A at 12V	7A at -52V
Cisco Catalyst 2960-Plus 24LC-S	2A at 12V	3A at -52V
Cisco Catalyst 2960-Plus 48TC-S	3A at 12V	-
Cisco Catalyst 2960-Plus 24TC-S	2A at 12V	-

Table 10. Power Consumption

Measured Power Consumption, Watts				
Model	0% traffic	10% traffic	100% traffic	ATIS weighted average
Cisco Catalyst 2960-Plus 48PST-L	51.1	50.8	51.4	50.9
Cisco Catalyst 2960-Plus 24PC-L	35.4	35.3	35.6	35.3
Cisco Catalyst 2960-Plus 24LC-L	25.9	25.7	26.1	25.8
Cisco Catalyst 2960-Plus 48TC-L	30.4	30.2	30.6	30.2
Cisco Catalyst 2960-Plus 24TC-L	18.4	18.3	18.6	18.3
Cisco Catalyst 2960-Plus 48PST-S	50.8	50.3	51.1	50.5
Cisco Catalyst 2960-Plus 24PC-S	35.0	34.8	35.2	34.9
Cisco Catalyst 2960-Plus 24LC-S	25.9	25.7	26.1	25.8
Cisco Catalyst 2960-Plus 48TC-S	29.9	29.7	30.2	29.8
Cisco Catalyst 2960-Plus 24TC-S	18.8	18.7	19.1	18.8

* Using ATIS-0600015.03.2009 methodology.

Disclaimer: All power consumption numbers were measured under controlled laboratory conditions and are provided as an estimate.

Note: The wattage rating on the power supply does not represent actual power draw. It indicates the maximum power draw possible by the power supply. This rating can be used for facility capacity planning. For PoE switches, cooling requirements are smaller than total power draw because a significant portion of the load is dissipated in the endpoints.

Table 11 provides safety and compliance information.

Table 11. Safety and Compliance

Category	Certifications
Regulatory Compliance	Products should comply with CE Marking per directives 2004/108/EC and 2006/95/EC
Safety	UL 60950-1 Second Edition CAN/CSA-C22.2 No. 60950-1 Second Edition EN 60950-1 Second Edition IEC 60950-1 Second Edition AS/NZS 60950-1
EMC - Emissions	47CFR Part 15 (CFR 47) Class A AS/NZS CISPR22 Class A CISPR22 Class A EN55022 Class A ICES003 Class A VCCI Class A EN61000-3-2 EN61000-3-3 KN22 Class A CNS13438 Class A
EMC - Immunity	EN55024 CISPR24 EN300386 KN24
Environmental	Reduction of Hazardous Substances (RoHS) including Directive 2011/65/EU
Telco	

Cisco Enhanced Limited Lifetime Hardware Warranty

Cisco Catalyst 2960-Plus Series Switches come with an enhanced limited lifetime warranty (E-LLW). The E-LLW provides the same terms as Cisco's standard limited lifetime warranty but adds next-business-day 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 about warranty terms (Table 12), visit cisco.com/go/warranty.

Table 12. Warranty Terms

Cisco Enhanced Limited Lifetime Hardware Warranty	
Device covered	Applies to all Cisco Catalyst 2960-Plus Series Switches.
Warranty duration	As long as the original end user continues to own or use the product.
End-of-life policy	In the event of discontinuance of product manufacture, Cisco warranty support is limited to five (5) years from the announcement of discontinuance.
Hardware replacement	Cisco or its service center will use commercially reasonable efforts to ship a Cisco Catalyst 2960-Plus replacement part for next business day delivery, where available. Otherwise, a replacement will be shipped within ten (10) working days after the receipt of the RMA request. Actual delivery times may vary depending on customer location.
Effective date	Hardware warranty commences from the date of shipment to customer (and in case of resale by a Cisco reseller, not more than ninety [90] days after original shipment by Cisco).

Cisco Enhanced Limited Lifetime Hardware Warranty	
TAC support	Cisco will provide during customer's local business hours, 8 hours per day, 5 days per week basic configuration, diagnosis, and troubleshooting of device-level problems for up to 90 days from the date of shipment of the originally purchased Cisco Catalyst 2960-Plus product. This support does not include solution or network-level support beyond the specific device under consideration.
Cisco.com access	Warranty allows guest access only to Cisco.com.

Software Update Policy

Software updates for the Cisco Catalyst 2960-Plus are available for free to registered customers at cisco.com/go/support.

For more information about the Cisco Catalyst software update policy, visit http://www.cisco.com/en/US/prod/collateral/switches/ps5718/ps4324/product_bulletin_c25-696974_ps10745_Products_Bulletin.html.

Technical Support and Services

Table 13 provides information about relevant technical services.

Table 13. Technical Services Available for Cisco Catalyst 2960-Plus Series Switches

Technical Services	
Cisco SMARTnet Service	
<ul style="list-style-type: none"> • Around-the-clock, global access to the Cisco TAC • Unrestricted access to the extensive Cisco.com knowledge base and tools • Next-business-day, 8x5x4, 24x7x4, or 24x7x2 advance har 	

the relevant region), with next-business-day (NBD) delivery. Where NBD is not available, same day shipping is provided. Restrictions apply; review the appropriate service descriptions for details.

² Cisco operating system updates include the following: maintenance releases, minor updates, and major updates within the licensed feature set.

Ordering Information

Tables 14 through 18 provide information about ordering, accessories, redundant power supplies, SFP modules, and power cords, respectively.

Table 14. Cisco Catalyst 2960-Plus Series Switches Ordering Information

Part Number	10/100 Ethernet Interfaces	Uplink Interfaces	Cisco IOS Software Feature Set	Available PoE Power
WS-C2960+48PST-L	48	2 SFP and 2 1000BASE-T	LAN Base	370W
WS-C2960+24PC-L	24	2 (SFP or 1000BASE-T)	LAN Base	370W
WS-C2960+24LC-L	24	2 (SFP or 1000BASE-T)	LAN Base	123W
WS-C2960+48TC-L	48	2 (SFP or 1000BASE-T)	LAN Base	-
WS-C2960+24TC-L	24	2 (SFP or 1000BASE-T)	LAN Base	-
WS-C2960+48PST-S	48	2 SFP and 2 1000BASE-T	LAN Lite	370W
WS-C2960+24PC-S	24	2 (SFP or 1000BASE-T)	LAN Lite	370W
WS-C2960+24LC-S	24	2 (SFP or 1000BASE-T)	LAN Lite	123W
WS-C2960+48TC-S	48	2 (SFP or 1000BASE-T)	LAN Lite	-
WS-C2960+24TC-S	24	2 (SFP or 1000BASE-T)	LAN Lite	-

Table 15. Cisco Catalyst 2960-Plus Accessories

Part Numbers	Description
CAB-CONSOLE-RJ45	Console cable 6 ft with RJ45
RCKMNT-1RU=	Spare rack-mount kit for Cisco Catalyst 2960 and 2960-Plus Series for 19- and 24-inch racks
RCKMNT-REC-1RU=	1 RU recessed rack-mount kit for Cisco Catalyst 2960 and 2960-Plus Series
PWR-CLP	Power cable restraining clip

Table 16. Cisco Catalyst 2960-Plus Redundant Power Supply Options

Part Numbers	Description
PWR-RPS2300	Cisco Redundant Power System 2300 and blower, no power supply
BLNK-RPS2300=	Spare bay insert for Cisco Redundant Power System 2300
CAB-RPS2300=	Spare RPS2300 cable for Cisco Catalyst 2960 switches
BLWR-RPS2300=	Spare 45 CFM blower for RPS 2300
C3K-PWR-750WAC=	RPS 2300 750W AC power supply spare for Cisco Catalyst 2960 switches
ACC-RPS2300=	Spare accessory kit for Cisco Redundant Power System 2300

For more information about the RPS-2300, visit cisco.com/en/US/products/ps7130.

Table 17. Cisco Catalyst 2960-Plus SFP Modules

SFP and SFP+ Modules
For the list of supported SFP and SFP+ modules, visit cisco.com/en/US/products/hw/modules/ps5455/products_device_support_tables_list.html .

Table 18. Power Cords for Cisco Catalyst 2960-Plus Series

Part Numbers	Description
CAB-AC	AC Power Cord (US, Canada), C13, NEMA 5-15P, 2.5m
CAB-ACE	AC Power Cord (Europe), C13, CEE 7, 1.5m
CAB-ACI	AC Power Cord (Italy), C13, CEI 23-16, 2.5m
CAB-ACU	AC Power Cord (UK), C13, BS 1363, 2.5m
CAB-ACA	AC Power Cord (China/Australia), C13, AS 3112, 2.5m
CAB-ACS	AC Power Cord (Switzerland), C13, IEC 60884-1, 2.5m
CAB-ACR	AC Power Cord (Argentina), C13, EL 219 (IRAM 2073), 2.5m
CAB-ACC	AC Power Cord (China), C13, PRC/3 GB2099/GB1002
CAB-JPN	AC Power Cord (Japan), C13, Japan 2-prong, 1.8m
CAB-IND-10A	AC Power Cord (India), C13, IS1293, 2.5m
CAB-ACBZ-10A	AC Power Cord (Brazil), C13, BR-3-20, 10A
CAB-ACSA	AC Power Cord (South Africa), C15, SABS 164-1, 1.8m

Contact Cisco

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