



# Cisco Catalyst 2960-Plus Series Switch Datasheet



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## OVERVIEW

The Cisco® Catalyst® 2960-Plus Series Switches are fixed-configuration Fast Ethernet switches that provide enterprise-class Layer 2 switching for branch offices, conventional workspaces, and infrastructure applications. They enable reliable and secure operations with lower total cost of ownership through a range of Cisco IOS® software features, including Cisco Catalyst SmartOperations.

## APPEARANCE

Figure 1. Cisco Catalyst 2960-PLUS Series Switches



## KEY FEATURES AND BENEFITS

The Cisco Catalyst 2960-Plus Series provides cost-effective, enterprise class Ethernet switching for:

- Branch offices, remote sites, and retail locations
- Conventional desktop workspaces
- Building infrastructure, physical security, and other nontraditional access applications

Benefits of the 2960-Plus include:

- Robust quality of service (QoS) that prioritizes voice and critical business applications
- Flexible security features that can limit access to the network and mitigate threats
- Tools that reduce total cost of ownership through simplified operations and automation

## PRODUCT SPECIFICATIONS OF CISCO CATALYST 2960-PLUS SWITCH

Cisco Catalyst 2960-Plus Series Configurations					
Model	10/100 Ethernet Interfaces	Uplink Interfaces	Cisco Software Feature Set	IOS	Available PoE Power

<b>Cisco Catalyst 2960-Plus 48PST-L</b>	48	2 SFP and 2 1000BASE-T	LAN Base	370W
<b>Cisco Catalyst 2960-Plus 24PC-L</b>	24	2 (SFP or 1000BASE-T)	LAN Base	370W
<b>Cisco Catalyst 2960-Plus 24LC-L</b>	24	2 (SFP or 1000BASE-T)	LAN Base	123W
<b>Cisco Catalyst 2960-Plus 48TC-L</b>	48	2 (SFP or 1000BASE-T)	LAN Base	-
<b>Cisco Catalyst 2960-Plus 24TC-L</b>	24	2 (SFP or 1000BASE-T)	LAN Base	-
<b>Cisco Catalyst 2960-Plus 48PST-S</b>	48	2 SFP and 2 1000BASE-T	LAN Lite	370W
<b>Cisco Catalyst 2960-Plus 24PC-S</b>	24	2 (SFP or 1000BASE-T)	LAN Lite	370W
<b>Cisco Catalyst 2960-Plus 24LC-S</b>	24	2 (SFP or 1000BASE-T)	LAN Lite	123W
<b>Cisco Catalyst 2960-Plus 48TC-S</b>	48	2 (SFP or 1000BASE-T)	LAN Lite	-
<b>Cisco Catalyst 2960-Plus 24TC-S</b>	24	2 (SFP or 1000BASE-T)	LAN Lite	-
<b>Switch PoE Power Capacity</b>				
<b>Switch Model</b>	<b>Maximum Number of PoE (IEEE 802.3af) Ports*</b>		<b>Available PoE Power</b>	
<b>Cisco Catalyst 2960-Plus 48PST-L</b>	24 ports up to 15.4W		370W	

<b>Cisco Catalyst 2960-Plus 24PC-L</b>	24 ports up to 15.4W	370W
<b>Cisco Catalyst 2960-Plus 24LC-L</b>	8 ports up to 15.4W	123W
<b>Cisco Catalyst 2960-Plus 48PST-S</b>	24 ports up to 15.4W	370W
<b>Cisco Catalyst 2960-Plus 24PC-S</b>	24 ports up to 15.4W	370W
<b>Cisco Catalyst 2960-Plus 24LC-S</b>	8 ports up to 15.4W	123W
<b>Cisco Catalyst 2960-Plus Series Hardware</b>		
<b>Hardware Specifications</b>		
<b>Flash memory</b>	64 MB	
<b>DRAM</b>	128 MB	
<b>Cisco Catalyst 2960-Plus Series Performance</b>		
<b>Performance and Scalability</b>		
	LAN Base (-L) Models	LAN Lite (-S) Models
<b>Forwarding bandwidth</b>	16 Gbps	16 Gbps
<b>Maximum active VLANs</b>	255	64
<b>VLAN IDs available</b>	4K	4K
<b>Maximum transmission unit (MTU) - L3 packet</b>	9000 bytes	9000 bytes
<b>Jumbo frame - Ethernet frame</b>	9018 bytes	9018 bytes
<b>Cisco Catalyst 2960-Plus Series Forwarding Performance Optional</b>		

<b>Forwarding Rate: 64-Byte L3 Packets, Millions of packets per second</b>		
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	
<b>Cisco Catalyst 2960-Plus Mechanical and Environmental Specifications</b>		
<b>Dimensions (H x W x D)</b>		
<b>Model</b>	<b>Inches</b>	<b>Centimeters</b>
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		

<b>Cisco Catalyst 2960-Plus 48PST-S</b>		
<b>Cisco Catalyst 2960-Plus 24PC-S</b>	1.73 x 17.70 x 13.07	4.4 x 45.0 x 33.2
<b>Cisco Catalyst 2960-Plus 24LC-S</b>		
<b>Cisco Catalyst 2960-Plus 48TC-S</b>	1.73 x 17.70 x 9.52	4.4 x 45.0 x 24.2
<b>Cisco Catalyst 2960-Plus 24TC-S</b>		
<b>Weight</b>		
<b>Model</b>	<b>Pounds</b>	<b>Kilograms</b>
<b>Cisco Catalyst 2960-Plus 48PST-L</b>	12	5.4
<b>Cisco Catalyst 2960-Plus 24PC-L</b>	12	5.4
<b>Cisco Catalyst 2960-Plus 24LC-L</b>	10	4.5
<b>Cisco Catalyst 2960-Plus 48TC-L</b>	8	3.6
<b>Cisco Catalyst 2960-Plus 24TC-L</b>	8	3.6
<b>Cisco Catalyst 2960-Plus 48PST-S</b>	12	5.4
<b>Cisco Catalyst 2960-Plus 24PC-S</b>	12	5.4
<b>Cisco Catalyst 2960-Plus 24LC-S</b>	10	4.5
<b>Cisco Catalyst 2960-Plus 48TC-S</b>	8	3.6
<b>Cisco Catalyst 2960-Plus 24TC-S</b>	8	3.6
<b>Environmental Ranges</b>		
	<b>Fahrenheit</b>	<b>Centigrade</b>

<b>Operating temperature up to 5000 ft (1500 m)</b>	23° to 113°F	-5° to 45°C
<b>Operating temperature up to 10,000 ft (3000 m)</b>	23° to 104°F	-5° to 40°C
<b>Short-term exception at sea level*</b>	23° to 131°F	-5° to 55°C
<b>Short-term exception up to 5000 feet (1500 m)</b>	23° to 122°F	-5° to 50°C
<b>Short-term exception up to 10,000 feet (3000 m)</b>	23° to 113°F	-5° to 45°C
<b>Short-term exception up to 13,000 feet (4000 m)</b>	23° to 104°F	-5° to 40°C
<b>Storage temperature up to 15,000 feet (4573 m)</b>	23° to 158°F	-25° to 70°C
	Feet	Meters
<b>Operating altitude</b>	Up to 10,000	Up to 3,000
<b>Storage altitude</b>	Up to 13,000	Up to 4,000
<b>Operating relative humidity</b>	10% to 95% noncondensing	
<b>Storage relative humidity</b>	10% to 95% noncondensing	
<b>Acoustic Noise</b>		
<b>Measured per ISO 7779 and declared per ISO 9296.</b>		
<b>Bystander positions operating mode at 25°C ambient.</b>		
	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
<b>Predicted Reliability</b>				
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 48PST-S	381
Cisco Catalyst 2960-Plus 24LC-S	498
Cisco Catalyst 2960-Plus 48TC-S	623
Cisco Catalyst 2960-Plus 24TC-S	667

## CISCO CATALYST 2960-PLUS SWITCH BASIC ORDERING INFORMATION

Product Number	Product Description
<a href="#"><u>WS-C2960+48PST-L</u></a>	Catalyst 2960 Plus 48 10/100 PoE + 2 1000BT +2 SFP LAN Base
<a href="#"><u>WS-C2960+24PC-L</u></a>	Catalyst 2960 Plus 24 Port 10/100 PoE + 2 T/SFP LAN Base
<a href="#"><u>WS-C2960+24LC-L</u></a>	Catalyst 2960 plus 24 Port 10/100 (8 PoE) + 2 T/SFP LAN Base
<a href="#"><u>WS-C2960+48TC-L</u></a>	Catalyst 2960 Plus 48 10/100 + 2 T/SFP LAN Base
<a href="#"><u>WS-C2960+24TC-L</u></a>	Catalyst 2960 Plus 24 10/100 + 2T/SFP LAN Base
<a href="#"><u>WS-C2960+24TC-S</u></a>	Catalyst 2960 Plus 24 10/100 + 2 T/SFP LAN Lite
<a href="#"><u>WS-C2960+48PST-S</u></a>	Catalyst 2960 Plus 48 10/100 PoE + 2 1000BT +2 SFP LAN Lite
<a href="#"><u>WS-C2960+24PC-S</u></a>	Catalyst 2960 Plus 24 10/100 PoE + 2 T/SFP LAN Lite
<a href="#"><u>WS-C2960+24LC-S</u></a>	Catalyst 2960 Plus 24 10/100 (8 PoE) + 2 T/SFP LAN Lite
<a href="#"><u>WS-C2960+48TC-S</u></a>	Catalyst 2960 Plus 48 10/100 + 2 T/SFP LAN Lite
<a href="#"><u>WS-C2960+24TC-S</u></a>	Catalyst 2960 Plus 24 10/100 + 2 T/SFP LAN Lite

<a href="#"><u>WS-C2960+48TC-L</u></a>	Catalyst 2960 Plus 48 10/100 + 2 T/SFP LAN Base
<b>Cisco Catalyst 2960-Plus Accessories</b>	
<a href="#"><u>CAB-CONSOLE-RJ45</u></a>	Console cable 6 ft with RJ45
<b>RCKMNT-1RU=</b>	Spare rack-mount kit for Cisco Catalyst 2960 and 2960-Plus Series for 19- and 24-inch racks
<b>RCKMNT-REC-1RU=</b>	1 RU recessed rack-mount kit for Cisco Catalyst 2960 and 2960-Plus Series
<b>PWR-CLP</b>	Power cable restraining clip
<b>Cisco Catalyst 2960-Plus Redundant Power Supply Options</b>	
<b>PWR-RPS2300</b>	Cisco Redundant Power System 2300 and blower, no power supply
<b>BLNK-RPS2300=</b>	Spare bay insert for Cisco Redundant Power System 2300
<b>CAB-RPS2300=</b>	Spare RPS2300 cable for Cisco Catalyst 2960 switches
<b>BLWR-RPS2300=</b>	Spare 45 CFM blower for RPS 2300
<b>C3K-PWR-750WAC=</b>	RPS 2300 750W AC power supply spare for Cisco Catalyst 2960 switches
<b>ACC-RPS2300=</b>	Spare accessory kit for Cisco Redundant Power System 2300
<b>Power Cords for Cisco Catalyst 2960-Plus Series</b>	
<a href="#"><u>CAB-AC=</u></a>	AC Power Cord (US, Canada), C13, NEMA 5-15P, 2.5m
<a href="#"><u>CAB-ACE=</u></a>	AC Power Cord (Europe), C13, CEE 7, 1.5m
<a href="#"><u>CAB-ACI=</u></a>	AC Power Cord (Italy), C13, CEI 23-16, 2.5m
<a href="#"><u>CAB-ACU=</u></a>	AC Power Cord (UK), C13, BS 1363, 2.5m

<b>CAB-ACA</b>	AC Power Cord (China/Australia), C13, AS 3112, 2.5m
<b>CAB-ACS</b>	AC Power Cord (Switzerland), C13, IEC 60884-1, 2.5m
<b>CAB-ACR</b>	AC Power Cord (Argentina), C13, EL 219 (IRAM 2073), 2.5m
<b>CAB-ACC</b>	AC Power Cord (China), C13, PRC/3 GB2099/GB1002
<b>CAB-JPN</b>	AC Power Cord (Japan), C13, Japan 2-prong, 1.8m
<b>CAB-IND-10A</b>	AC Power Cord (India), C13, IS1293, 2.5m
<b>CAB-ACBZ-10A</b>	AC Power Cord (Brazil), C13, BR-3-20, 10A
<b>CAB-ACSA</b>	AC Power Cord (South Africa), C15, SABS 164-1, 1.8m

## SOURCES

[https://www.cisco.com/c/en/us/products/collateral/switches/catalyst-2960-plus-series-switches/data\\_sheet\\_c78-728003.html](https://www.cisco.com/c/en/us/products/collateral/switches/catalyst-2960-plus-series-switches/data_sheet_c78-728003.html)