

Overview

Cisco Catalyst 2960X-48TD-L LAN Base stackable Layer 2 switch provides enterprise-class access for campus and branch applications. It is comprised of 48 Ethernet 10/100/1000 ports and 2 x 10G SFP+ uplink interfaces.

Quick Specs

Figure 1 shows the front view of the Cisco 2960X-48TD-L switch.

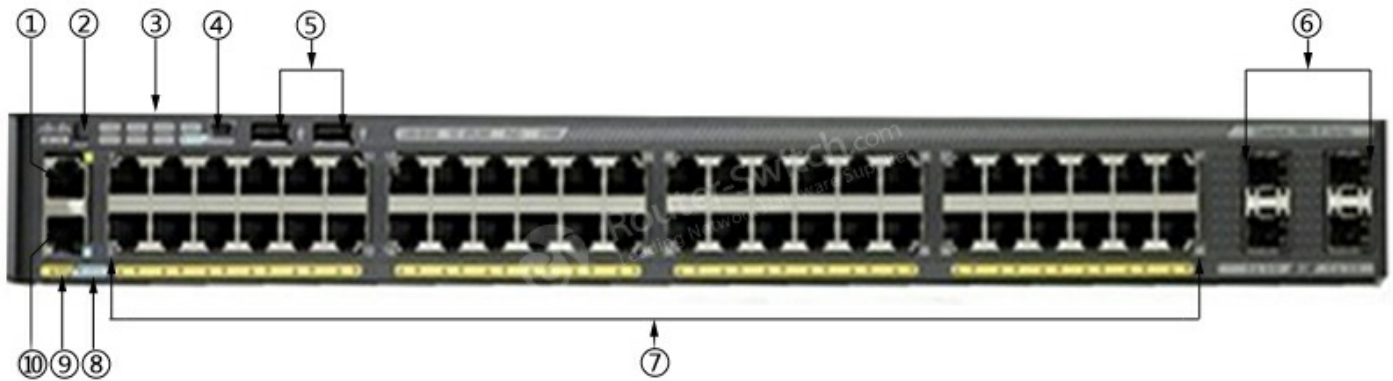


Table 1 shows the Quick Spec of the Cisco 2960X-48TD-L switch.

Product Code	WS-C2960X-48TD-L
Enclosure Type	Rack-mountable - 1U
Feature Set	LAN Base
Uplink Interfaces	2 x 10G SFP+
Ports	48 x Ethernet 10/100/1000 Gigabit ports
Maximum stacking number	8
Stack bandwidth	80G
Forwarding Bandwidth	108Gbps
Switching Bandwidth	216Gbps
RAM	512MB
Flash Memory	128MB
Dimensions	44.5 cm x 27.9 cm x 4.5 cm
Package Weight	9.19 Kg

Product Details

Figure 2 shows the front panel of the Cisco Catalyst 2960X-48TD-L switch.



Note:

- | | |
|------------------------------------|----------------------------|
| (1) Ethernet management port | (6) SFP module ports |
| (2) Mode button | (7) 48 x 10/100/1000 ports |
| (3) Switch LEDs | (8) CONSOLE LED |
| (4) USB mini-Type B (console) port | (9) MGMT LED |
| (5) USB Type A ports | (10) RJ-45 console port |

The Switch LEDs include SYST, STAT, SPEED, RPS, MAST, and STACK LEDs.

Figure 3 shows the back panel of the Cisco Catalyst 2960X-48TD-L switch.



Note:

- | | |
|--|------------------------|
| (1) FlexStack-Plus module slot and cover | (3) RPS Connector |
| (2) Fan Exhaust | (4) AC power connector |

Figure 4 shows the stackable capacity.

This C2960X switch delivers stackable capacity that supports up to 8 switches stacking with same 2960-X LAN base series. It also can stack up to 4 switches stacking when mixed with 2960-S LAN base series switches.



The Accessories

Table 2 shows some accessories of the WS-C2960X-48TD-L.

Models	Description
C2960X-STACK	Catalyst 2960-X FlexStack Plus Stacking Module
CAB-STK-E-0.5M	Cisco FlexStack Stacking Cables
GLC-LH-SMD	Cisco GLC-LH-SMD 1000BASE-LX/LH SFP transceiver module, MMF/SMF, 1310nm, DOM
GLC-SX-MMD	1000BASE-SX SFP transceiver module, MMF, 850nm, DOM
CAB-CONSOLE-RJ45	Console Cable 6ft with RJ45 and DB9F
CAB-CONSOLE-USB	Console Cable 6 ft with USB Type A and mini-B

Get more information

Do you have any question about the Cisco Catalyst C2960X-48TD-L switch?

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Specification

WS-C2960X-48TD-L Specification	
General	
model info:	WS-2960X-48TD-L
enclosure type	Rack-mountable - 1U
Ports	48 x 10/100/1000 + 2 x 10G SFP+
Network management Interface	10/100 Mbps Ethernet (RJ-45)
Available PoE Power	None
Forwarding bandwidth(Gbps)	108Gbps
Maximum stacking number	8

Stack Bandwidth	80G
Forwarding Performance	130.9Mpps
Switching bandwidth	216Gbps
Maximum active VLANs	1023
MAC Address Table Size	16K (default)
CPU	APM86392 600MHz dual core
RAM	512 MB
Flash Memory	128 MB
Status Indicators	Per-port status: Link integrity, disabled, activity, speed, and full duplex System status: System, RPS, Stack link status, link duplex, and link speed
Expansion / Connectivity	
Console ports	USB (Type-B), Ethernet (RJ-45)
Stacking cable	Optional
Power Redundancy	Option (PWR-RPS2300)
Voltage range (Auto)	110V-240V
Power Consumption Operational	0.049KVA
Miscellaneous	
Width	17.5 Inches (44.5 cm)
Depth	11 Inches (27.9 Cm)
Height	1.75 Inches (4.5 cm)
Package Weight	20.26 Pounds (9.19Kg)
Weight	9.6 Pounds (4.3Kg)
Rack Mounting Kit	optional
MTBF in hours	445,460

Compliant Standards	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 and IEEE 802.3at IEEE 802.3ah (100BASE-X single/multimode fiber only) IEEE 802.3x full duplex on 10BASE-T, 100BASE-TX, and 1000BASE-T ports 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 and IEEE 802.3at IEEE 802.3ah (100BASE-X single/multimode fiber only) IEEE 802.3x full duplex on 10BASE-T, 100BASE-TX, and 1000BASE-T ports
System software / license	
System software	IOS LAN BASE
license	NERGY-MGT-100-K9, EW-DO-100-DE
features	● 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 and IEEE 802.3at ● IEEE 802.3ah (100BASE-X single/multimode fiber only) ● IEEE 802.3x full duplex on 10BASE-T, 100BASE-TX, and 1000BASE-T ports ● 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 ● IEEE 802.3az ● IEEE 802.1ax
Network security	SSH, SSL and SCP RADIUS and TACACS+ SNMPv3 crypto 802.1x 802.1x Accounting / MIB 802.1x w/ port security 802.1x w/Voice VLAN 802.1x Guest VLAN 802.1x VLAN assignment 802.1x MAC-Auth Bypass BPDU/Root Guard Port Security Private VALN Edge Storm Control Block unknown unicast and multicast IGMP Snooping IGMP Filter/Throttle

Management and Troubleshooting	Auto-MDOX TDR UDLD IP SLA Responder layer 2 / IP Traceroute SPAN RSPAN Express Setup Device Manager Cisco Network Assistant Smartports + Advisor Troubleshooting Advisor Drag-and-drop Cisco IOS Upgrade IP Address DHCP Autoinstall with saved configuration Configuration Replace DHCP Auto Image Upgrade DHCP Port Based Allocation Error Disable MIB
Environmental Ranges	
Operating temperature up to 5000 ft (1500 m)	23°F to 113°F
Operating temperature up to 10,000 ft (3000 m)	23°F to 104°F
Short-term exception at sea level*	23°F to 131°F
Short-term exception up to 5000 feet (1500 m)*	23°F to 122°F
Short-term exception up to 10,000 feet (3000 m)*	23°F to 113°F
Short-term exception up to 13,000 feet (4000 m)*	23° to 104°F
Storage temperature up to 15,000 feet (4573 m)	-13° to 158°F
Operating altitude	Up to 10,000 feet
Storage altitude	Up to 13,000 feet
Operating relative humidity	10% to 95% noncondensing
Storage relative humidity	10% to 95% noncondensing

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