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Overview

Cisco Catalyst 2960X-48TS-L LAN Base stackable Layer 2 switch provides enterprise-class access for campus and branch applications.

Quick Specs

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

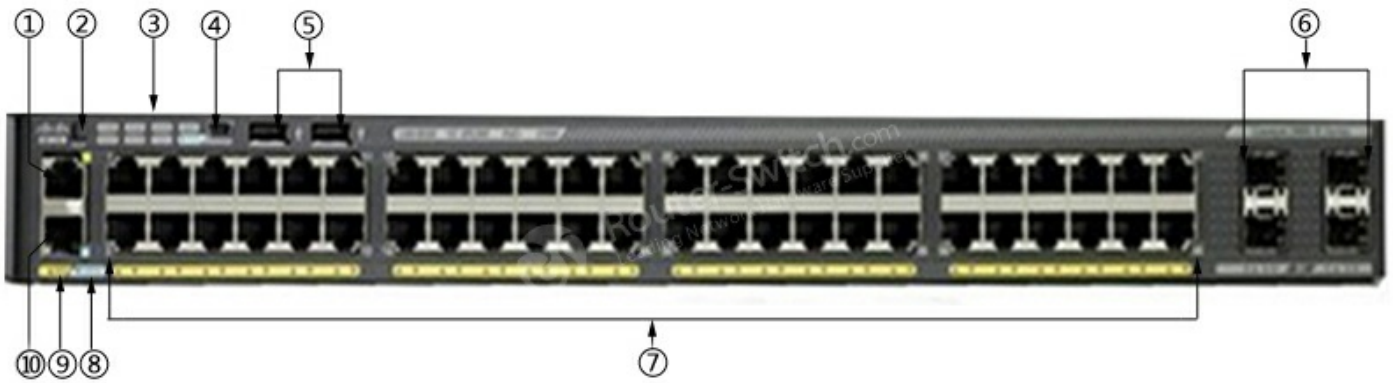


Table 1. Cisco WS-C2960X-48TS-L Specs.

| | |
|-------------------------|---|
| Product Code | WS-C2960X-48TS-L |
| Enclosure Type | Rack-mountable - 1U |
| Feature Set | LAN Base |
| Uplink Interfaces | 4 x 1G 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 2960X-48TS-L switch.



Note:

(1) Ethernet management port (2) Mode button (3) Switch LEDs (4) USB mini-Type B (console) port (5) USB Type A ports

(6) SFP module ports (7) 48 x 10/100/1000 ports (8) CONSOLE LED (9) MGMT LED (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 2960X-48TS-L switch.



Note:

(1) FlexStack-Plus module slot and cover (2) Fan Exhaust (3) RPS Connector (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-48TS-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-48TS-L switch?

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Specification

| WS-C2960X-48TS-L Specification | |
|--------------------------------|-------------------------------|
| General | |
| model info: | WS-2960X-48TS-L |
| enclosure type | Rack-mountable - 1U |
| Ports | 48 x 10/100/1000 + 4 x 1G 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 | 107.1Mpps |
| 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 | 0.051KVA |
| 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 | 9.4 Pounds (4.2Kg) |
| Rack Mounting Kit | optional |
| MTBF in hours | 476,560 |
| 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 | RPS Support Jumbo Frames VLANS Voice Vlan VTPv2 CDPv2 LLDP 802.3ad LACP PVST/PVST+ 802.1W/802.1S Port Fast/Uplink Fast port CoS Trust and Override Scheduling Priority Queuing Configure CoS Priority Queues Weighted Tail Drop DSCP transparency |
| 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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