

WS-C2960X-48TS-LL Datasheet

Overview

Cisco Catalyst 2960X Series 48 ports LAN Lite switch is comprised of 48 x Ethernet 10/100/1000 ports and 2 x 1G SFP uplink interfaces. LAN Lite image functions basic needs for layer 2 switching and does not support stacking.

Quick Specs

WS-C2960X-48TS-LL Specs.

Product Code	WS-C2960X-48TS-LL
Enclosure Type	Rack-mountable - 1U
Feature Set	LAN Lite
Uplink Interfaces	2 x 1G SFP
Ports	48 x Ethernet 10/100/1000 Gigabit ports
Forwarding Bandwidth	50Gbps
Switching Bandwidth	100Gbps
RAM	256MB
Flash Memory	64MB
Dimensions	44.5 cm x 27.9 cm x 4.5 cm
Package Weight	9.19 Kg

The Accessories

Table 2 shows some accessories of WS-C2960X-48TS-LL.

Models	Description
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

Specification

WS-C2960X-48TS-LL Specification	
Enclosure type	Rack-mountable - 1U
Ports	48 x 10/100/1000 + 2 x 1G SFP Ports
Network management Interface	10/100 Mbps Ethernet (RJ-45)
Available PoE Power	None PoE
Forwarding bandwidth(Gbps)	50Gbps
Maximum stacking number	None
Stack Bandwidth	None
Forwarding Performance	104.2Mpps
Switching bandwidth	100Gbps
Maximum active VLANs	64
MAC Address Table Size	16K (default)
CPU	APM86392 600MHz dual core
RAM	256 MB
Flash Memory	64 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	None
Power Redundancy	Option (PWR-RPS2300)
Voltage range (Auto)	110V-240V
Power Consumption Operational	0.46KVA
Miscellaneous	
Width	17.5 Inches (44.5 cm)
Depth	11 Inches (27.9 cm)
Height	1.75 Inches (4.5 cm)
Weight	8.9 lb (4.0 Kg)
Package Weight	20.26 lb (9.19 Kg)
Rack Mounting Kit	optional

MTBF in hours	476,560
Compliant 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 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
System software / license	
System software	IOS LAN Lite
license	NERGY-MGT-100-K9, EW-DO-100-DE
features	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 (-5°C to 45°C)
Operating temperature up to 10,000 ft (3000 m)	23°F to 104°F (-5°C to 40°C)
Short-term exception at sea level*	23°F to 131°F (-5°C to 55°C)
Short-term exception up to 5000 feet (1500 m)*	23°F to 122°F (-5°C to 50°C)
Short-term exception up to 10,000 feet (3000 m)*	23°F to 113°F (-5°C to 45°C)
Short-term exception up to 13,000 feet (4000 m)*	23° to 104°F (-5°C to 40°C)
Storage temperature up to 15,000 feet (4573 m)	-13° to 158°F (-25° to 70°C)
Operating altitude	Up to 10,000 Feet (Up to 3000 Meters)
Storage altitude	Up to 13,000 (Up to 4000 Meters)
Operating relative humidity	10% to 95% noncondensing
Storage relative humidity	10% to 95% noncondensing