WS-C2960X-48FPS-L Datasheet

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Overview

Cisco Catalyst 2960X series 48 ports LAN Base stackable switch delivers Power over Ethernet Plus(PoE+) that supports up to 740W of PoE budget for 24 ports with 30W per port or 48 ports with 15.4W per port.

Quick Specs

Table 1 shows the Quick Specs.

Product Code	WS-C2960X-48FPS-L
Enclosure Type	Rack-mountable - 1U
Feature Set	LAN Base
Uplink Interfaces	4 x 1G SFP
Ports	48 x 10/100/1000 Ethernet Gigabit ports
Available PoE Power	740W
Maximum stacking number	8
Stack bandwidth	80G
Forwarding Performance	107.1Mpps
Switching Bandwidth	216Gbps
RAM	512 MB
Flash Memory	128 MB
Dimensions	44.5 cm x 36.8 cm x 4.5 cm
Package Weight	10.65 Kg

Product Details

Figure 1 shows the front panel of the Cisco Catalyst 2960X-48FPS-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, POE and STACK LEDs.

·Power over Ethernet Plus(PoE+) supports up to 740W of PoE budget for 24 ports with 30W per port or 48 ports with 15.4W per port.

Figure 2 shows the back panel of the Cisco Catalyst 2960X-48FPS-L switch.

Note:

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

Figure 3 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.

Figure 4 shows WS-C2960X-48FPS-L and cables.

The Accessories

Table 2 shows some accessories of WS-C2960X-48FPS-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

Solution

How to use this product to build Network for Small Business (Requires Router & Voice Module)?

See here: SMB Network Options

Get more information

Do you have any question about WS-C2960X-48FPS-L?

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Specification

WS-C2960X-48FPS-L Specification	
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	740W
Forwarding bandwidth(Gbps)	108Gbps
Maximum stacking number	8
Stack Bandwidth	80 G
Forwarding Performance	107.1Mpps
Switching bandwidth	216Gbps
Maximum active VLANs	1023
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, PoE, 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	0.89KVA
Miscellaneous	
Width	17.5 Inches (44.5 cm)
Depth	14.5 Inches (36.8 cm)
Height	1.75 Inches (4.5 cm)
Weight	12.9 lb (5.8 Kg)
Package Weight	23.48 lb (10.65 Kg)
Rack Mounting Kit	optional
MTBF in hours	232,610
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 802.3 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 BASE
license	NERGY-MGT-100-K9, EW-DO-100-DE
features	●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)	23ºF to 113ºF (-5ºC to 45ºC)
Operating temperature up to 10,000 ft (3000 m)	23ºF to 104ºF (-5ºC to 40ºC)
Short-term exception at sea level*	23ºF to 131ºF (-5ºC to 55ºC)
Short-term exception up to 5000 feet (1500 m)*	23ºF to 122ºF (-5ºC to 50ºC)
Short-term exception up to 10,000 feet (3000 m)*	23ºF to 113ºF (-5ºC to 45ºC)

Short-term exception up to 13,000 feet (4000 m)*	23º to 104ºF (-5ºC to 40ºC)
Storage temperature up to 15,000 feet (4573 m)	-13º to 158ºF (-25º to 70ºC)
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

Download Resource

Selection Decision

📄 **Cisco's New Switch Selection Decision 2018**

Support and Resources

📄 **Cisco Switch Catalyst 2960X Datasheet**

Transition Guide

📄 **Cisco Catalyst 2960/2960-SF/2960-S Series Transition Guide**

📄 **Guide to Upgrade Cisco Access and Backbone Switch**

📄 **Selecting Cisco Switches-Campus, Branch, Digital Building**

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