WS-C2960S-24PS-L Datasheet

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Overview

Cisco Catalyst 2960-S Series Switch WS-C2960S-24PS-L is outstanding with its Power over Ethernet (PoE) capacity. This model has the Power supply options with 370W total fixed power supplies for POE switches as 12 ports up to 30W per switch port or 24 ports up to 15.4W per switch port. In addition to this, Cisco WS-C2960S-24PS-L's 24 PoE ports are also Ethernet 10/100/1000 ports and this device provides new FlexStack switch stacking capability with 4 One Gigabit Ethernet uplink ports with Small Form-Factor Pluggable (SFP) with 20Gbps throughput performance.

Quick Specs

Figure 1 shows the appearance of the WS-C2960S-24PS-L.

Table 1 shows the Quick Spec of the WS-C2960S-24PS-L.

Product Code	WS-C2960S-24PS-L
Enclosure Type	Rack-mountable - 1U
Feature Set	LAN Base
Uplink Interfaces	Four 1G Small Form-Factor Pluggable(SFP)
Downlink Ports	24 × Ethernet 10/100/1000 PoE+ ports
PoE capacity	370W
Expansion Slot(s)	1 (total) / 1 (free) x Stacking Module
Switching capacity	176 Gbps
Forwarding performance (64-byte packet size)	41.7 Mpps
DRAM	128 MB
Flash Memory	64 MB Flash
Dimensions	44.5 × 38.6 × 4.5 cm
Package Weight	10.65 Kg

Product Details

Figure 2 shows the front panel of the WS-C2960S-24PS-L.

Note:

(1)	Mode Button	(5)	RJ45 Console Port
(2)	24 × Ethernet 10/100/1000 PoE+ ports	(6)	USB mini-Type B (console) Port
(3)	SFP Module Slots	(7)	USB Type A Port
(4)	Ethernet Management Port		

Figure 3 shows the back panel of the WS-C2960S-24PS-L.

Note:

(1)	1 (total) / 1 (free) x Stacking Module	(3)	RPS Connector
(2)	Fan Exhaust	(4)	AC power connector

The Accessories

Table 2 shows some accessories of the WS-C2960S-24PS-L.

Models	Description
C2960S-STACK	Catalyst 2960S FlexStack Stack Module optional for LAN Base
GLC-LH-SM	GE SFP, LC connector LX/LH transceiver
GLC-SX-MMD	1000BASE-SX SFP transceiver module, MMF, 850nm, DOM
CAB-CONSOLE-RJ45	Console Cable 6ft with RJ45 and DB9F

Compare to Similar Items

Table 3 shows the comparison of similar items.

Models	WS-C2960X-24PS-L	WS-C2960S-24PS-L
PoE Available	Yes	Yes
Ports	24 x Ethernet 10/100/1000 Gigabit ports	24 × Ethernet 10/100/1000 PoE+ ports FP)
Switching Capacity	216Gbps	176 Gbps
Uplinks	4 x 1G SFP	4 x 1G SFP
Feature Set	LAN Base	LAN Base
Stackable	Yes	Yes

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Do you have any question about the WS-C2960S-24PS-L?

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Specification

WS-C2960S-24PS-L Specifications

General Information	
Device Type	Switch - 24 ports - Managed
Enclosure Type	Rack-mountable - 1U
Ports	24 x 10/100/1000 + 4 x SFP
Power Over Ethernet (PoE)	PoE
Performance	Switching capacity : 176 Gbps ¦ Forwarding performance (64-byte packet size) : 41.7 Mpps
MAC Address Table Size	8K entries
Remote Management Protocol	SNMP 1, SNMP 2, RMON 1, RMON 2, RMON 3, RMON 9, Telnet, SNMP 3, SNMP 2c, HTTP, HTTPS, TFTP, SSH
Encryption Algorithm	SSL
Authentication Method	Secure Shell (SSH), RADIUS, TACACS+
Features	Layer 2 switching, auto-sensing per device, dynamic IP address assignment , power over Ethernet (PoE), auto-negotiation, BOOTP support, ARP support, load balancing, VLAN support, auto-uplink (auto MDI/MDI-X), IGMP snooping, Syslog support, DiffServ support, Broadcast Storm Control, IPv6 support, Multicast Storm Control, Unicast Storm Control, Rapid Spanning Tree Protocol (RSTP) support, Multiple Spanning Tree Protocol (MSTP) support, DHCP snooping, Dynamic Trunking Protocol (DTP) support, Port Aggregation Protocol (PAgP) support, Access Control List (ACL) support, Quality of Service (QoS), PoE+, Link Aggregation Control Protocol (LACP), Port Security, MAC Address Notification, Remote Switch Port Analyzer (RSPAN)
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.3ah, IEEE 802.1ab (LLDP), IEEE 802.3at
RAM	128 MB
Flash Memory	64 MB Flash
Status Indicators	Port status, link activity, port transmission speed, port duplex mode, power, system

Expansion / Connectivity	
Interfaces	24 x 10Base-T/100Base-TX/1000Base-T - RJ-45 - PoE ¦ USB : 1 x 4 PIN USB Type A ¦ 1 x console - mini-USB Type B - management ¦ 1 x console - RJ-45 - management ¦ 1 x 10Base-T/100Base-TX - RJ-45 - management ¦ 4 x SFP (mini-GBIC)
Expansion Slot(s)	1 (total) / 1 (free) x Stacking Module
Power	
Power Device	Power supply - internal
Voltage Required	AC 120/230 V (50/60 Hz)
Power Consumption Operational	55 Watt
Miscellaneous	
Width	44.5 cm
Depth	38.6 cm
Height	4.5 cm
Weight	5.77 kg
Rack Mounting Kit	Optional
MTBF	245,604 hour(s)
Compliant Standards	TUV GS, CISPR 22 Class A, GOST, BSMI CNS 13438 Class A, CISPR 24, NOM, VCCI Class A ITE, EN55024, CB, EMC, MIC, IEC 60950-1, EN 60950-1, UL 60950-1 Second Edition, RoHS, CSA C22.2 No. 60950-1, FCC Part 15 B Class A
Software / System Requirements	
Software Included	Cisco IOS LAN Base
Service & Support	Limited lifetime warranty
Service & Support Details	Limited warranty - replacement - lifetime - response time: next business day ¦ Limited warranty - power supply and fans - 5 years ¦ New releases update
Environmental Parameters	
Min Operating Temperature	-5 °C
Max Operating Temperature	40 °C
Humidity Range Operating	10 - 95% (non-condensing)
Min Storage Temperature	-25 °C
Max Storage Temperature	70 °C
Humidity Range Storage	10 - 95% (non-condensing)

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