WS-C2960L-8PS-LL Datasheet

Overview

WS-C2960L-8PS-LL offering 8 x GigE PoE+ ports, 2 x 1G SFP and LAN Lite, is one of the Cisco Catalyst 2960-L Series Switches. These 2960-L switches are fixed-configuration, Gigabit Ethernet switches that provide entry-level enterprise-class Layer 2 access for branch offices, conventional workspaces, and out-of-wiring closet applications. Designed for operational simplicity to lower total cost of ownership, they enable secure and energy-efficient business operations with a range of Cisco IOS Software features.

Quick Specs
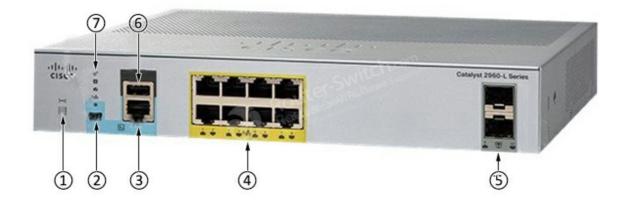
Figure 1 shows the appearance of WS-C2960L-8PS-LL.

Table 1 shows the Quick Specs.

Product Code	WS-C2960L-8PS-LL
IOS	LAN Lite
Forwarding bandwidth	10 Gbps
Switching bandwidth	20 Gbps
10/100/1000 Ethernet Ports	8 PoE+ Ports
Available PoE Power	67W
Uplink Interfaces	2 x 1G SFP
Fanless	Y
DRAM	512 MB
Flash memory	256 MB
Dimensions (H x D x W)	1.73 x 9.45 x 10.56 in. (4.4 x 24 x 26.8 cm)
Net Weight	5.64 lb (2.56 kg)

Product Details

Figure 2 shows the front panel of WS-C2960L-8PS-LL.

Note:

(1)	Mode button	(5)	SFP module slots
(2)	USB mini-Type B (console) port	(6)	USB Type A port
(3)	RJ-45 Console Port	(7)	System LEDs
(4)	8 x 10/100/1000 PoE+ ports		

· **There are a Security slot, Heat sink fins and an AC power connector on the back panel.**

The Accessories

Table 2 shows the recommended elements for the WS-C2960L-8PS-LL.

Model	Description
CAB-CONSOLE-USB	Cisco CAB-CONSOLE-USB Console Cable 6 ft with USB Type A and mini-B
CAB-CONSOLE-RJ45	Cisco CAB-CONSOLE-RJ45 Console Cable 6ft with RJ45 and DB9F
CAB-ACE=	CAB-ACE= AC Power Cord (Europe), C13, CEE 7, 1.5M
CAB-ACU=	CAB-ACU= AC Power Cord (UK), C13, BS 1363, 2.5m

Compare to Similar Items

Table 3 shows the comparison of WS-C2960L-8TS-LL and WS-C2960L-8PS-LL.

Model	WS-C2960L-8TS-LL	WS-C2960L-8PS-LL
IOS	LAN Lite	LAN Lite
Forwarding bandwidth	10 Gbps	10 Gbps
Switching bandwidth	20 Gbps	20 Gbps
10/100/1000 Ethernet Ports	8	8 PoE+
Available PoE Power	N/A	67W
Uplink Interfaces	2 x 1G SFP	2 x 1G SFP

Get more information

Do you have any question about the WS-C2960L-8PS-LL?

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Specification

WS-C2960L-8PS-LL Specification

Configurations	
10/100/1000 Ethernet Ports	8
Uplink Interfaces	2 SFP
Available PoE Power	67W
Fanless	Y
Dimensions (H x D x W)	1.73 x 8.45 x 10.56 in. (4.4 x 21.5 x 26.8 cm)
Net Weight	5.64 lb (2.56 kg)

Console Ports	
RJ45 Ethernet	1
USB mini-B	1
USB-A port for storage and Bluetooth console	1

Memory and Processor	
CPU	ARMv7 800 MHz
DRAM	512 MB
Flash memory	256 MB

Performance	
Forwarding bandwidth	10 Gbps
Switching bandwidth	20 Gbps
Forwarding rate (64-byte L3 packets)	14.88 Mpps
Unicast MAC addresses	8K
Maximum active VLANs	64
VLAN IDs available	4094
Maximum STP instances	64
Maximum SPAN sessions	1
MTU-L3 packet	9198 bytes
Jumbo Ethernet frame	10,240 bytes
MTBF in hours (Data)	2,448,133
MTBF in hours (PoE)	315,044

Environment	
Operating temperature	
Up to 5,000 ft	23ºF to 113ºF (–5ºC to 45ºC)

Up to 10,000 ft	23ºF to 104ºF (–5ºC to 40ºC)
Operating altitude	10,000 ft (3000m)
Operating relative humidity	5% to 90% at 40ºC
Storage temperature	–13º to 158ºF (–25º to 70ºC)
Storage altitude	15,000 ft (4500m)
Storage relative humidity	5% to 95% at 65ºC
Storage altitude	Minimum ambient temperature for cold start is 0°C (32°F)
Electrical	PoE
Voltage (autoranging)	110 to 220V AC in
Frequency	50 to 60 Hz
Current	0.22A to 0.27A
Power rating (maximum consumption)	0.11 kVA

Power consumption (watts)
    0% traffic
    10% traffic
    100% traffic
    Weighted average
	19.9
	22.0
	22.0
	21.3

Safety and Compliance	
Safety	UL 60950-1 Second Edition, CAN/CSA-C22.2 No. 60950-1 Second Edition, EN 60950-1 Second Edition, IEC 60950-1 Second Edition, AS/NZS 60950-1
EMC: emissions	47CFR Part 15 (CFR 47) Class A, AS/NZS CISPR22 Class A, CISPR22 Class A, EN55022 Class A, ICES003 Class A, VCCI Class A, EN61000-3-2, EN61000-3-3, KN22 Class A, CNS13438 Class A
EMC: immunity	EN55024, CISPR24, EN300386, KN24
Environmental	Reduction of Hazardous Substances (RoHS) including Directive 2011/65/EU
Telco	Common Language Equipment Identifier (CLEI) code
U.S. government certifications	USGv6 and IPv6 Ready Logo

Connectors and Interfaces	
Ethernet interfaces	10BASE-T ports: RJ-45 connectors, 2-pair Category 3, 4, or 5 unshielded twisted-pair (UTP) cabling
	100BASE-TX ports: RJ-45 connectors, 2-pair Category 5 UTP cabling
	1000BASE-T ports: RJ-45 connectors, 4-pair Category 5 UTP cabling
	1000BASE-T SFP-based ports: RJ-45 connectors, 4-pair Category 5 UTP cabling
Indicator LEDs	Per-port status: link integrity, disabled, activity, speed, and full duplex
	System status: system, PoE, and link speed
Console cables	CAB-CONSOLE-RJ45 Console cable 6 ft. with RJ-45
	CAB-CONSOLE-USB Console cable 6 ft. with USB Type A and mini-B connectors
Power	Use the supplied AC power cord to connect the AC power connector to an AC power outlet

Download Resource

Selection Decision

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

Support and Resources

📄 **Cisco Catalyst 2960-L Series Switch 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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