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## Overview

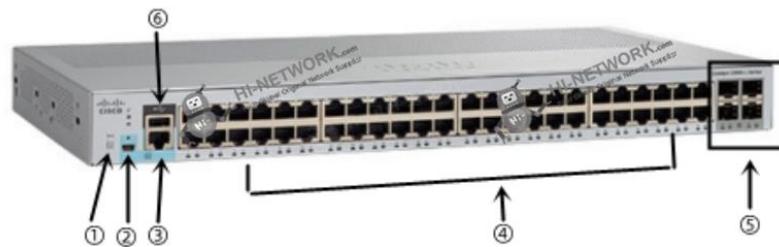
WS-C2960L-48TS-LL offering 48 x GigE ports, 4 x 1G SFP and LAN Lite, is one of the Cisco Catalyst 2960-L Series Switches. These 2960-L switches are fixed-configuration, Gigabit Ethernet switches that provide entry-level enterprise-class Layer 2 access for branch offices, conventional workspaces, and 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. **There is an Asia Pacific Part number: WS-C2960L-48TS-AP. It is the same as the WS-C2960L-48TS-LL.**

## Quick Specification

Product Code	WS-C2960L-48TS-LL
IOS	LAN Lite
Forwarding bandwidth	52 Gbps
Switching bandwidth	104 Gbps
10/100/1000 Ethernet Ports	48
Uplink Interfaces	4 x 1G SFP
Fanless	Y
DRAM	512 MB
Flash memory	256 MB
Net Weight	7.21 lb (3.27 kg)
Dimensions (H x D x W)	1.73 x 9.45 x 17.5 in. (4.4 x 24 x 44.5 cm)

## Product Details:

### The Front Panel:



①	Mode button
②	USB mini-Type B (console) port
③	RJ-45 Console
④	48 x 10/100/1000 ports
⑤	SFP module slots
⑥	USB Type A port

### The back panel

There are a Security slot and an AC power connector on the back panel.

## The Accessories

Table 2 shows the recommended elements for the WS-C2960L-48TS-AP.

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

Model	WS-C2960L-24TS-LL	WS-C2960L-48TS-LL
IOS	LAN Lite	LAN Lite
Forwarding bandwidth	28 Gbps	52 Gbps
Switching bandwidth	56 Gbps	104 Gbps
10/100/1000 Ethernet Ports	24	48
Uplink Interfaces	4 x 1G SFP	4 x 1G SFP

Get more information:

Do you have any question about the WS-C2960L-48TS-LL?

Contact us now via e-mail: [info@hi-network.com](mailto:info@hi-network.com)

## Specific Data Sheet:

10/100/1000 Ethernet Ports	48
Uplink Interfaces	4 SFP
Dimensions (H x D x W)	1,73 x 9,45 x 17,5 inch (4,4 x 24 x 44,5 cm)
Net Weight	7.21 lb (3.27 kg)
CPU	ARMv7 800 MHz
DRAM	512 MB
Flash memory	256 MB
Forwarding bandwidth	52 Gbps
Switching bandwidth	104 Gbps
Forwarding rate (64-byte L3 packets)	77,38 Mpps
Up to 5,000 ft	23°F to 113°F (-5°C to 45°C)
Up to 10,000 ft	23°F to 104°F (-5°C to 40°C)
Operating altitude	10,000 ft (3000m)
Operating relative humidity	5% to 90% at 40°C
Voltage (autoranging)	110 to 220V AC in



Frequency	50 to 60 Hz
Current	0.29A to 0.48A
Power rating (maximum consumption)	0.09 kVA
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

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