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## Overview

WS-C2960L-16TS-LL offering 16 x GigE 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 Specification

Product Code	WS-C2960L-16TS-LL
IOS	LAN Lite
Forwarding bandwidth	18 Gbps
Switching bandwidth	36 Gbps
10/100/1000 Ethernet Ports	16
Uplink Interfaces	2 x 1G SFP
Fanless	Y
DRAM	512 MB
Flash memory	256 MB
Net Weight	4.53 lb (2.06 kg)
Dimensions (H x D x W)	1.73 x 8.45 x 10.56 in. (4.4 x 21.5 x 26.8 cm)

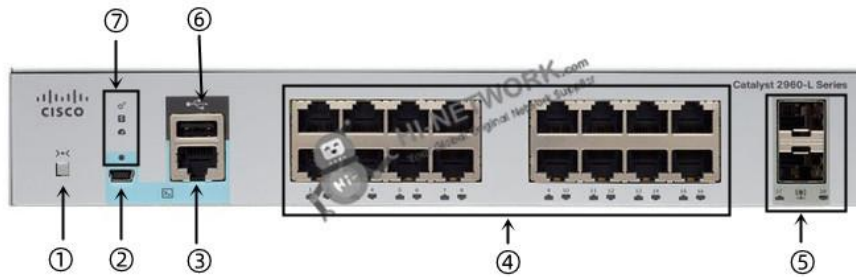


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**Product Details:**

**The Front Panel:**



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

**The Back Panel:**



①	Security Slot
②	A loop (for the optional power cord retainer)





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③	An AC Power Connector
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## Accessories For WS-C2960L:

### Recommended Elements:

Model	Description
<a href="#">CAB-CONSOLE-USB</a>	Cisco CAB-CONSOLE-USB Console Cable 6 ft with USB Type A and mini-B
<a href="#">CAB-CONSOLE-RJ45</a>	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:

Models	<a href="#">WS-C2960L-16TS-LL</a>	<a href="#">WS-C2960L-16PS-LL</a>
IOS	LAN Lite	LAN Lite
Forwarding bandwidth	18 Gbps	18 Gbps
Switching bandwidth	36 Gbps	36 Gbps
10/100/1000 Ethernet Ports	16	16
Available PoE Power	N/A	120W
Uplink Interfaces	2 x 1G SFP	2 x 1G SFP

Get more information:

Do you have any question about WS-C2960L-16TS-LL?

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

## Specific Data Sheet:

10/100/1000 Ethernet Ports	16
Uplink Interfaces	2 SFP
Available PoE Power	None
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)



# WS-C2960L-16TS-LL Datasheet



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Net Weight	4.53 lb (2.06 kg)
RJ45 Ethernet	1
USB mini-B	1
USB-A port for storage and Bluetooth console	1
CPU	ARMv7 800 MHz
DRAM	512 MB
Flash memory	256 MB
Forwarding bandwidth	18 Gbps
Switching bandwidth	36 Gbps
Forwarding rate (64-byte L3 packets)	26.78 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)	2,416,689
MTBF in hours (PoE)	313,496
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
Storage temperature	-13° to 158°F (-25° to 70°C)
Storage altitude	15,000 ft (4500m)
Storage relative humidity	5% to 95% at 65°C
Storage altitude	Minimum ambient temperature for cold start is 0°C (32°F)
Electrical	Data
Voltage (autoranging) 1	110 to 220V AC in
Frequency	50 to 60 Hz
Current	0.16A to 0.26A
Power rating (maximum consumption)	0.05 kVA
Power consumption (watts)	14.9
0% traffic	19.3
10% traffic	19.3



# WS-C2960L-16TS-LL Datasheet



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100% traffic Weighted average	17.8
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
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





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HongKong Office Tel: +00852-66181601

HangZhou Office Tel: +0086-571-86729517

Email: [info@hi-network.com](mailto:info@hi-network.com)

Skype: echo.hinetwork

WhatsApp Business: +8618057156223

