



C9300L-48PF-4G-E DataSheet

C9300L-48PF-4G-E: 48×1 Gb PoE+ switch with 4×1 Gb SFP uplinks, 424 Gbps StackWise-320, and 890 W PoE for secure, high-performance enterprise access.

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C9300L-48PF-4G-E Description

Catalyst C9300L-48PF-4G-E (hardware C9300L-48PF-4G) is a 1 RU, enterprise-grade, stackable access switch delivering 48 × 1 Gb PoE+ RJ-45 ports (IEEE 802.3at) and 4 × 1 Gb SFP uplinks. With a built-in 1,100 W AC power supply, it provides up to 890 W PoE budget to fuel IP phones, cameras, APs, and IoT devices. A single switch offers 104 Gbps switching capacity (77.38 Mpps forwarding rate) and scales to 424 Gbps in an eight-member StackWise-320 stack. Running Cisco IOS XE with Network Essentials, it supports advanced security (MACsec, ETA), QoS, and programmability for resilient campus architectures.

Quick Specs

Parameter	Specification
Model	C9300L-48PF-4G
Downlink Ports	48 × 1 Gb PoE+ (IEEE 802.3at) RJ-45
Fixed Uplinks	4 × 1 Gb SFP
Switching Capacity	104 Gbps (standalone)
Forwarding Rate	77.38 Mpps
Stacking Bandwidth	320 Gbps (per switch) / 424 Gbps (eight-member stack)
PoE Budget	890 W (with default 1,100 W AC PSU)

DRAM / Flash

8 GB / 16 GB

Key Features

Product Comparison

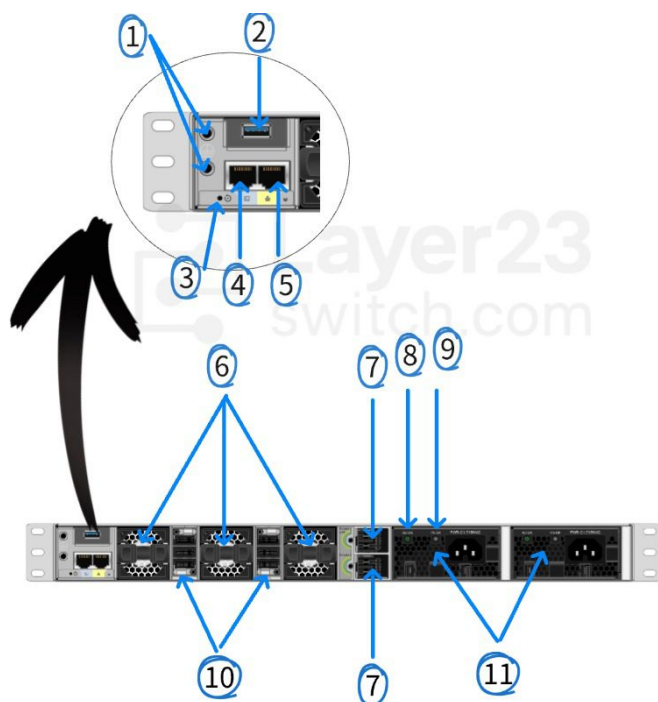
Feature / Model	C9300L-48PF-4G-E	C9300L-48P-4G-E	C9300L-48PF-4X-E
Downlink Ports	48 × 1 Gb PoE+	48 × 1 Gb PoE+	48 × 1 Gb PoE+
Fixed Uplinks	4 × 1 Gb SFP	4 × 1 Gb SFP	4 × 10 Gb/1 Gb SFP+
Switching Capacity (standalone)	104 Gbps	104 Gbps	176 Gbps
Forwarding Rate (standalone)	77.38 Mpps	77.38 Mpps	130.95 Mpps
Stacking Bandwidth (8-member)	424 Gbps	424 Gbps	496 Gbps
PoE Budget (default PSU)	890 W	505 W	890 W
DRAM / Flash	8 GB / 16 GB	8 GB / 16 GB	8 GB / 16 GB

Switch Rear Panel

The switch rear panel includes StackWise connectors, StackPower or XPS connectors, ports, fan modules, and power supply modules.

1	Ground connectors	7	StackPower connectors
2	USB3.0-SSD port	8	AC OK (input) status LED
3	BEACON LED	9	PS OK (output) status LED

4	CONSOLE (RJ-45 console port)	10	StackWise-480 port connectors
5	MGMT (RJ-45 10/100/1000 management port)	11	Power supply modules
6	Fan modules	-	-

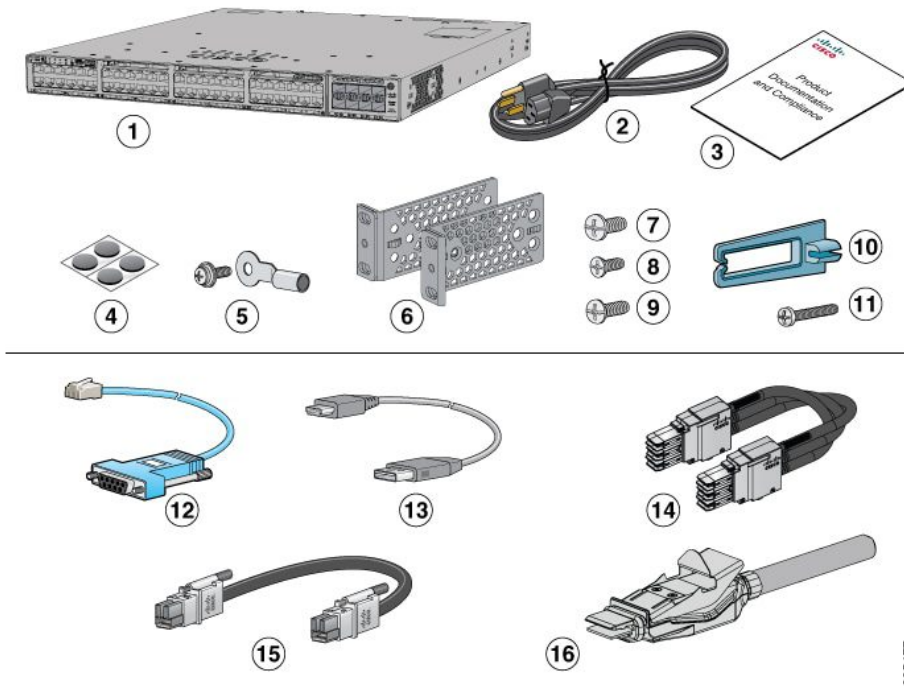


Components Delivered in the Shipping Box

The shipping box contains the model of the switch you ordered and other components needed for installation. Some components are optional, depending on your order.

1	Cisco Catalyst 9300 Series switch with optional network module ¹ (power supply and fan modules not shown)	9	Eight number-8 Phillips flat-head screws
2	AC power cord	10	Cable guide
3	Product documentation and compliance document	11	M4.0 x 20mm Phillips pan-head screw
4	Four rubber mounting feet	12	(Optional) RJ-45 console cable
5	Ground lug screw and ring terminal	13	(Optional) USB console cable

6	Two 19-inch mounting brackets	14	(Optional) StackWise-480/1T cable (0.5-meter, 1-meter, or 3-meter)
7	Four number-12 pan-head screws	15	(Optional) StackPower cable (0.3-meter or 1.5-meter)
8	Four number-10 pan-head screws	16	(Optional) StackWise-320 cable



Specification

Parameter	Specification
Model	C9300L-48PF-4G-E
Downlink Ports	48× 1 Gb PoE+ (IEEE 802.3at) RJ-45
Fixed Uplinks	4× 1 Gb SFP
Stacking Bandwidth	StackWise-320: 320 Gbps (per switch), 424 Gbps (8-member)
Switching Capacity	104 Gbps
Forwarding Rate	77.38 Mpps
PoE Budget	890 W (with 1,100 W AC PSU)
DRAM	8 GB

Parameter	Specification
Flash	16 GB
Total MAC Addresses	32,000
IPv4 Route Table	32,000 (24,000 direct; 8,000 indirect)
IPv6 Routing Entries	16,000
VLAN IDs	4,094
ACL Entries	5,120
QoS Entries	5,120
Packet Buffer	32 MB
Uplink Feature Packet Buffer	16 MB (for 1 Gb uplinks)
CPU	x86 (2.4 GHz dual-core)
Dimensions (H×W×D)	4.4 × 44.5 × 48.8 cm (1.73 × 17.5 × 19.2 in)
Weight (with PSU)	15.48 lb (7.03 kg)
Operating Temperature	−5 °C to +45 °C (0 °C cold start)
MTBF	303,660 hours

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