



C9300L-48PF-4X-M DataSheet

Cisco Catalyst C9300L-48PF-4X-M: 48 full-PoE+ ports (890 W), 4×10 Gbps uplinks, 176 Gbps switching; Meraki-managed for cloud-provisioned, high-density enterprise access.

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C9300L-48PF-4X-M Description

The Cisco Catalyst C9300L-48PF-4X-M is a full-PoE+, fixed-uplink access switch designed for enterprise edge and campus environments requiring extensive power delivery and high-throughput data forwarding. It provides 48 1 Gbps RJ-45 downlink ports, each supporting IEEE 802.3at PoE+ up to 30 W, powered by an integrated 1100 W AC power supply (PWR-C1-1100WAC-P) that delivers a default 890 W PoE budget; a secondary 1100 W PSU option increases available PoE to 1440 W for full-power operation across all 48 ports. Four fixed 10 Gbps SFP+ uplinks ensure robust connectivity to aggregation or core layers.

Quick Specs

Parameter	Specification
Model	C9300L-48PF-4X-M
Switching Capacity	176 Gbps standalone / 496 Gbps stacked
Forwarding Rate	130.95 Mpps standalone / 369.05 Mpps stacked
Downlink Ports	48 × 1 Gbps RJ-45 PoE+ (30 W per port)
Uplink Ports	4 × 10 Gbps SFP+ fixed
Stacking Bandwidth	StackWise-320 (320 Gbps per stack link)
Default PSU & PoE Budget	1100 W AC (PWR-C1-1100WAC-P): 890 W PoE

DRAM	8 GB
Flash Storage	16 GB

Key Features

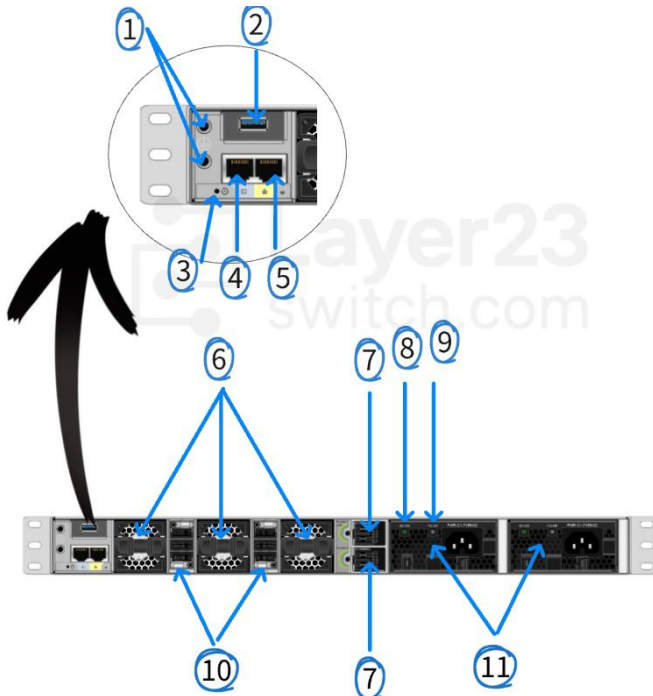
Product Comparison

Parameter	C9300L-48PF-4X-M	C9300L-48P-4X-M	C9300L-48UXG-4X-M
Downlink Ports	48 × 1 Gbps PoE+ (30 W, full-power)	48 × 1 Gbps PoE+ (30 W, 505 W budget)	12 mGig (10G/5G/2.5G/1G/100M) + 36 × 1 Gbps
Uplink Ports	4 × 10 Gbps SFP+ fixed	4 × 10 Gbps SFP+ fixed	4 × 10 Gbps SFP+ fixed
Switching Capacity	176 Gbps / 496 Gbps stacked	176 Gbps / 496 Gbps stacked	272 Gbps / 592 Gbps stacked
Forwarding Rate	130.95 Mpps / 369.05 Mpps stacked	130.95 Mpps / 369.05 Mpps stacked	202.38 Mpps / 440.47 Mpps stacked
PoE Budget (default)	890 W (1100 W AC PSU)	505 W (715 W AC PSU)	880 W (1100 W AC PSU)
Stacking Bandwidth	320 Gbps (StackWise-320)	320 Gbps (StackWise-320)	320 Gbps (StackWise-320)
License Image	Meraki Advanced/Enterprise	Meraki Advanced/Enterprise	Meraki Advanced/Enterprise

C9300L-48PF-4X-M 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	-	-

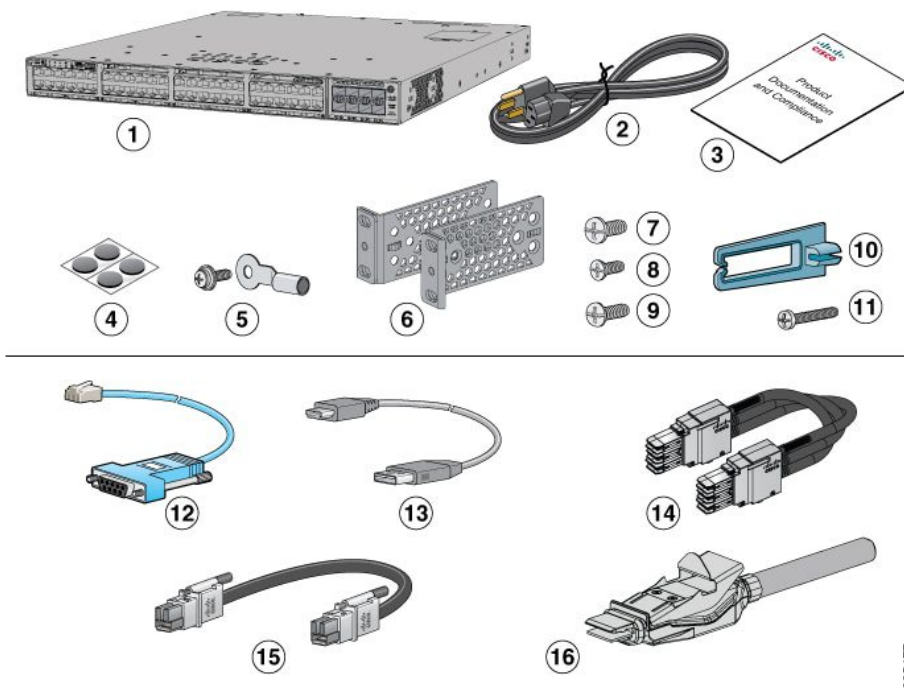


Components Delivered in the Shipping Box

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	Detail
Model	C9300L-48PF-4X-M
Form Factor	1 RU rack-mountable switch
Uplink Ports	4 × 10 Gbps SFP+ fixed

Parameter	Detail
Downlink Ports	48 × 1 Gbps RJ-45 PoE+ (30 W per port)
Switching Capacity	176 Gbps standalone / 496 Gbps stacked
Forwarding Rate	130.95 Mpps standalone / 369.05 Mpps stacked
Stacking Bandwidth	StackWise-320 (320 Gbps per stack link)
Stack Members	Up to 8 switches per stack
Primary Power Supply	PWR-C1-1100WAC-P (1100 W AC) – 890 W PoE budget
Secondary Power Supply	PWR-C1-1100WAC-P (1100 W AC) – increases PoE budget to 1440 W*
Fans	3 × field-replaceable fans (N+1 redundancy)
Memory (DRAM)	8 GB
Flash Storage	16 GB
Jumbo Frames	Up to 9,198 bytes
Max VLAN IDs	4,094
Max MAC Addresses	32,000
Max IPv4 Routes	32,000 (24,000 direct + 8,000 indirect)
Max IPv6 Routes	16,000
MTBF	298,880 hours
Dimensions (H × W × D)	1.73" × 17.5" × 40.9 cm (4.4 × 44.5 × 40.9 cm) – fits standard 19" rack
Weight (w/ PSU)	15.48 lb (7.03 kg)
Operating Temperature	–5 °C to + 45 °C at sea level (derate at altitude)
Security Features	MACsec-256 encryption, Secure Boot, SUDI, IEEE 802.1X
Telemetry	gNMI/YANG model-driven telemetry, flexible NetFlow
Software Image	Meraki-managed ("-M") for cloud provisioning
License Tier	Meraki Advanced/Enterprise
Warranty	Limited lifetime hardware warranty

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