



C9300L-48UXG-4X-M DataSheet

C9300L-48UXG-4X-M: 48 UPOE multi-gig ports, 4 × 10 Gbps SFP+ uplinks, 675 W PoE, Meraki cloud management, 392 Gbps switching—perfect for PoE-heavy cloud-managed networks. (≤160 chars)

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C9300L-48UXG-4X-M Description

The Cisco C9300L-48UXG-4X-M combines 12 multi-gig UPOE ports (10 G/5 G/2.5 G/1 G/100 M) with 36 1 G/100 M/10 M UPOE copper ports—powered by an integrated 1100 W AC supply delivering a default 675 W PoE budget. Four fixed 10 Gbps SFP+ uplinks enable high-speed fiber aggregation to distribution or core layers. With the Meraki Advanced/Enterprise license, this switch integrates seamlessly into the Cisco Meraki Dashboard for cloud-managed provisioning, zero-touch deployment, and advanced telemetry. It supports full Meraki cloud features—such as dynamic VLAN tagging, remote firmware upgrades, Health MX monitoring, and advanced security policies enforced via the Meraki Dashboard. This model retains StackWise-320 stacking (up to 320 Gbps across eight units) presenting a single-pane-of-glass management when locally stacked alongside other Catalyst switches. Its 392 Gbps non-blocking switching capacity and 291.66 Mpps forwarding rate ensure robust performance for high-density PoE deployments, while built-in 802.1X, DHCP Snooping, Dynamic ARP Inspection, and TrustSec enforce layer-2 security. Ideal for campus access and branch PoE hubs requiring centralized cloud orchestration, rich telemetry, and simplified operations.

Quick Specs

Parameter	Specification
Model	C9300L-48UXG-4X-M
Switching Capacity	392 Gbps standalone; 712 Gbps (8-member StackWise-320)
Forwarding Rate	291.66 Mpps standalone; 529.76 Mpps (stacked)

Downlink Ports	12 × mGig UPOE (10 G/5 G/2.5 G/1 G/100 M) + 36 × 1 G/100 M/10 M RJ-45 UPOE
Uplink Ports	4 × 10 Gbps/1 Gbps SFP+ (fixed)
Stacking Bandwidth	320 Gbps (StackWise-320)
Default PoE Budget	675 W (with PWR-C1-1100WAC-P)
Memory / Flash	8 GB DRAM; 16 GB flash

Key Features

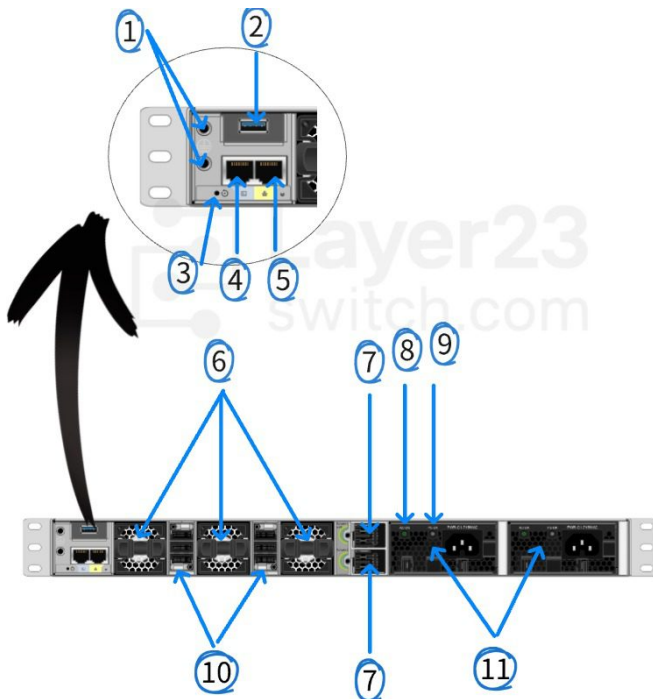
Product Comparison

Feature	C9300L-48UXG-4X-M	C9300L-48UXG-4X-E	C9300L-48P-4X-M
License	Meraki Advanced/Enterprise	Network Essentials	Meraki Advanced/Enterprise
Switching Capacity	392 Gbps (712 Gbps stack)	392 Gbps (712 Gbps stack)	176 Gbps (496 Gbps stack)
Forwarding Rate	291.66 Mpps (529.76 Mpps stk)	291.66 Mpps (529.76 Mpps stk)	130.95 Mpps (369.05 Mpps stk)
Downlink Ports	12 mGig UPOE + 36 1 G UPOE	12 mGig UPOE + 36 1 G UPOE	48 × 1 G PoE+
Uplink Ports	4 × 10 Gbps SFP+	4 × 10 Gbps SFP+	4 × 10 Gbps SFP+
Default PoE Budget	675 W	675 W	505 W
Stacking Bandwidth	320 Gbps	320 Gbps	320 Gbps
Primary PSU	1 100 W AC	1 100 W AC	715 W AC

C9300L-48UXG-4X-M Switch Rear Panel

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

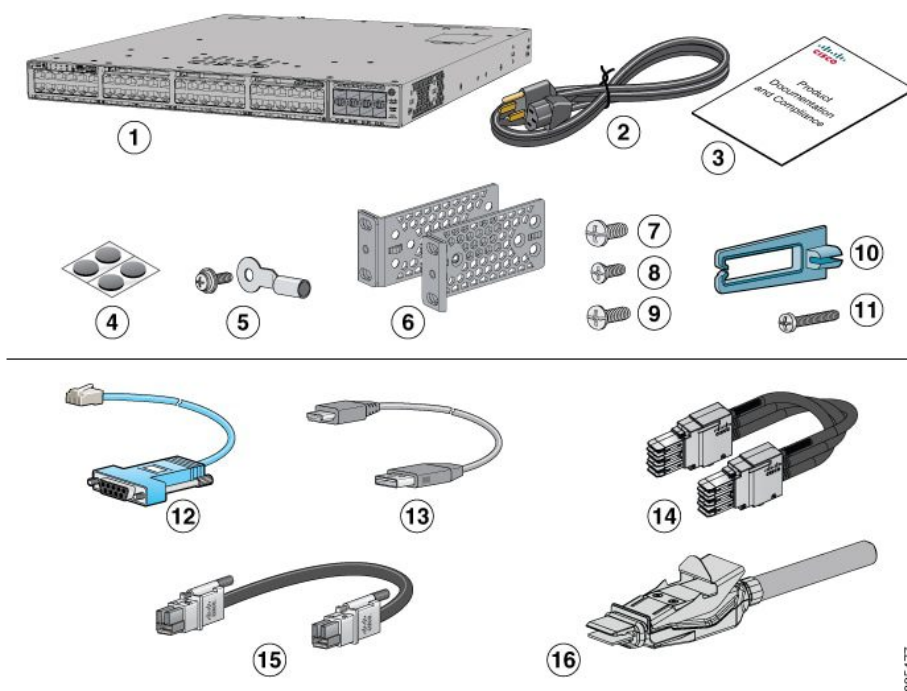
1	Ground connectors	7	StackPower connectors
2	USB3.0-SSD port	8	AC OK (input) status LED
3	BEACON LED	9	PS OK (output) status LED
4	CONSOLE (RJ-45 console port)	10	StackWise-480 port connectors
5	MGMT (RJ-45 10/100/1000 management port)	11	Power supply modules
6	Fan modules	-	-



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



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Specification

Parameter	Specification
Model	C9300L-48UXG-4X-M
Chassis	1 RU fixed-uplink, all-metal construction
CPU	Quad-core x86, 2.4 GHz
DRAM	8 GB
Flash Memory	16 GB
Switching Capacity	392 Gbps standalone; 712 Gbps with StackWise-320
Forwarding Rate	291.66 Mpps standalone; 529.76 Mpps (stacked)
MAC Addresses	32 000
IPv4 Routes	32 000 (24 000 direct + 8 000 indirect)
IPv6 Routes	16 000
Multicast Routing Scale	8 000 entries
ACL Scale	5 120 entries
QoS Scale	5 120 entries
Packet Buffer	16 MB (multi-gig + 1 G models)
VLAN IDs	4 094
SVIs	1 000
Downlink Ports	12 × mGig UPOE (10 G/5 G/2.5 G/1 G/100 M) + 36 × 1 G/100 M/10 M RJ-45 (all UPOE)
Uplink Ports	4 × 10 Gbps SFP+ (fixed)
PoE Budget (Default)	675 W (with PWR-C1-1100WAC-P)
PoE Upgrade Budget	1 025 W (with secondary 1 100 W AC); 1 390 W (with secondary 715 W DC); 1 775 W (with secondary 1 000 W AC)
Stacking Bandwidth	320 Gbps (StackWise-320)
StackPower (Aggregate)	Not supported on C9300L SKUs
Primary Power Supply	PWR-C1-1100WAC-P (1 100 W AC)
Fans	3 × field-replaceable (N + 1 redundant)
Operating Temperature	-5 °C to +45 °C
Dimensions (H × W × D)	4.4 × 44.5 × 40.9 cm (chassis only); 44.9 cm w/ PSU; 48.8 cm max
Weight (w/ PSU)	16.86 lb (7.65 kg)
MTBF	273 820 hrs

Parameter	Specification
Software	Cisco IOS XE (Meraki Advanced/Enterprise)
Security	MACsec-128, 802.1X, DHCP Snooping, Dynamic ARP Inspection, TrustSec
Management	Cisco Meraki Dashboard (cloud-managed), CLI, WebUI
IPv6 Support	Wire-rate hardware forwarding (16 000 routes)
Energy Efficiency	IEEE 802.3az EEE; per-port power limits
Flexible NetFlow Scale	64 000 flows (multi-gig + 1 G models)
Jumbo Frames	9 198 bytes
PVST Instances	300

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