



C9300L-24UXG-4X-M DataSheet

Cisco Catalyst C9300L-24UXG-4X-M: 24 UPOE ports (8 mGig + 16 1 G), 4 × 10 Gbps uplinks, 272 Gbps switching; Meraki-managed, ideal for high-density enterprise edge.

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C9300L-24UXG-4X-M Description

Cisco Catalyst C9300L-24UXG-4X-M is a high-performance, fixed-uplink access switch designed for next-gen campus and enterprise deployments requiring converged data and power delivery. It offers 24 downlink ports—8 MultiGigabit (supporting up to 10 Gbps per port) and 16 1 Gbps—each capable of delivering UPOE (up to 60 W per port) from an integrated 1100 W AC power supply. Four fixed 10 Gbps SFP+ uplinks ensure robust connectivity to distribution or core layers. Running the Meraki-managed image (“-M”), the switch provides zero-touch provisioning via the Meraki Dashboard, cloud-hosted visibility into device and client health, and automatic firmware updates. StackWise-320 technology allows up to eight switches to form a single, logical stack with 320 Gbps per stack link, delivering a combined 592 Gbps of switching capacity and 440.47 Mpps forwarding rate when stacked.

Quick Specs

Parameter	Specification
Model	C9300L-24UXG-4X-M
Switching Capacity	272 Gbps standalone / 592 Gbps stack
Forwarding Rate	202.38 Mpps standalone / 440.47 Mpps stack
Downlink Ports	8 × MultiGigabit (100 M/1 G/2.5 G/5 G/10 G) + 16 × 1 G (10 M/100 M/1 G)
Uplink Ports	4 × 10 Gbps SFP+ fixed

Stacking Bandwidth	StackWise-320 (320 Gbps per stack link)
Default Power Supply	PWR-C1-1100WAC-P (1100 W AC)
Default PoE Budget	880 W (up to 60 W per port, limited by port count/design)
DRAM	8 GB
Flash Storage	16 GB

Key Features

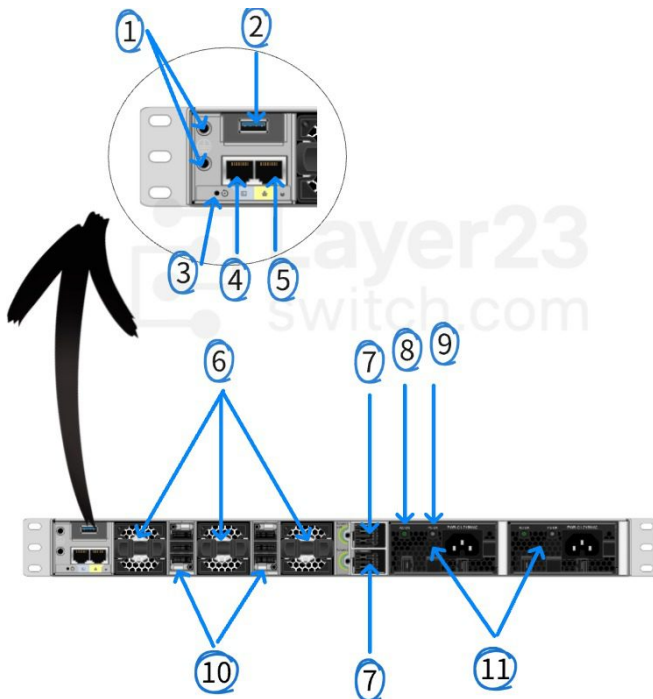
Product Comparison

Parameter	C9300L-24UXG-4X-M	C9300L-24UXG-2Q-M	C9300L-48UXG-4X-M
Downlink Ports	8 mGig (10 G/5 G/2.5 G/1 G/100 M) + 16 1 G	8 mGig (10 G/5 G/2.5 G/1 G/100 M) + 16 1 G	12 mGig (10 G/5 G/2.5 G/1 G/100 M) + 36 1 G
Uplink Ports	4 × 10 Gbps SFP+ fixed	2 × 40 Gbps QSFP+ fixed	4 × 10 Gbps SFP+ fixed
Switching Capacity	272 Gbps standalone / 592 Gbps stack	320 Gbps standalone / 672 Gbps stack	544 Gbps standalone / 1008 Gbps stack
Forwarding Rate	202.38 Mpps standalone / 440.47 Mpps stack	238.09 Mpps standalone / 500 Mpps stack	377.35 Mpps standalone / 700 Mpps stack
Power Supply	1100 W AC (880 W PoE)	1100 W AC (722 W PoE)	1100 W AC (675 W PoE)
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
PoE Capability	UPOE (up to 60 W/port)	UPOE (up to 60 W/port)	UPOE (up to 60 W/port)

C9300L-24UXG-4X-M Switch Rear Panel

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

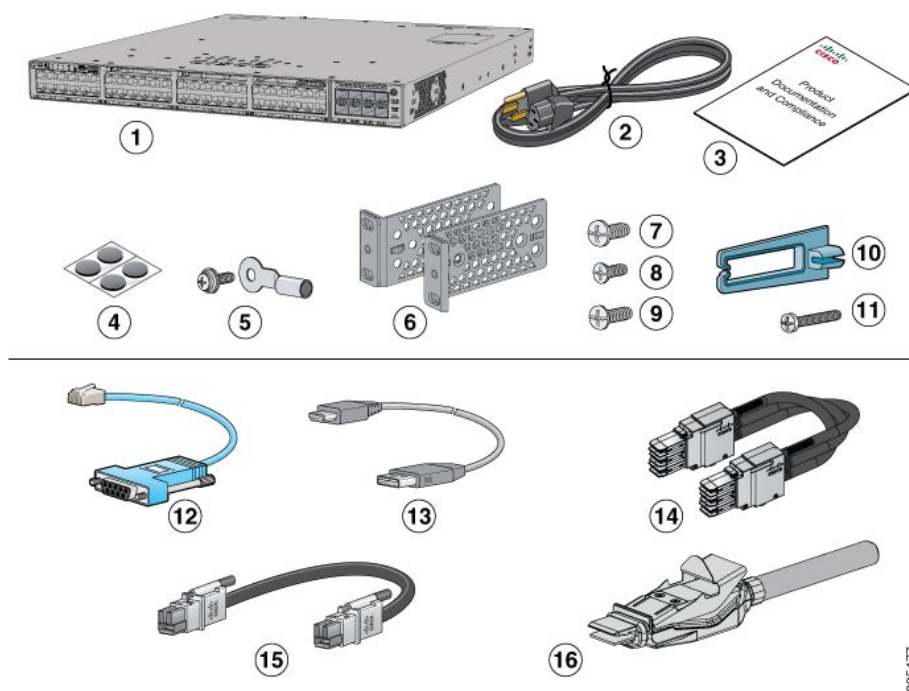
1	Ground connectors	7	StackPower connectors
2	USB3.0-SSD port	8	AC OK (input) status LED
3	BEACON LED	9	PS OK (output) status LED
4	CONSOLE (RJ-45 console port)	10	StackWise-480 port connectors
5	MGMT (RJ-45 10/100/1000 management port)	11	Power supply modules
6	Fan modules	-	-



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



385477

Specification

Parameter	Detail
Model	C9300L-24UXG-4X-M
Form Factor	1 RU rack-mountable switch
Downlink Ports	8 × MultiGigabit (100 M/1 G/2.5 G/5 G/10 G) + 16 × 1 G (10 M/100 M/1 G) UPOE
Uplink Ports	4 × 10 Gbps SFP+ fixed
Switching Capacity	272 Gbps standalone / 592 Gbps stacked
Forwarding Rate	202.38 Mpps standalone / 440.47 Mpps stacked
Stacking Bandwidth	StackWise-320 (320 Gbps per stack link)
Stack Members	Up to 8 switches per stack
Memory (DRAM)	8 GB
Flash Storage	16 GB
Primary Power Supply	PWR-C1-1100WAC-P (1100 W AC) Default PoE Budget: 880 W (60 W per port limit)
Secondary Power Supply	PWR-C1-1100WAC-P (1100 W AC) Augmented PoE Budget: 1440 W* (limited by port count/design)
Fans	3 × field-replaceable fans (N+1 redundancy)
Dimensions (H × W × D)	1.73" × 17.5" × 16.1" (4.4 × 44.5 × 40.9 cm) with default PSU
Weight (w/ PSU)	15.73 lb (7.13 kg)
MTBF	332,640 hours
Operating Temperature	−5 °C to + 45 °C at sea level (derate at altitude)
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
PoE Class	IEEE 802.3at (UPOE) – up to 60 W per port
Security Features	MACsec-256 encryption, Encrypted Traffic Analytics (ETA), Secure Boot, SUDI, IEEE 802.1X
Telemetry	Model-driven telemetry (gNMI/YANG), flexible NetFlow, Meraki ML analytics
Software Image	Meraki-managed ("-M") for cloud provisioning
License Tier	Meraki Advanced/Enterprise

Parameter	Detail
Warranty	Limited lifetime hardware warranty

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