



C9300L-24P-4X-M DataSheet

Cisco Catalyst C9300L-24P-4X-M: 24 PoE+ ports, 4×10 Gb/s uplinks, 448 Gbps stacking. Meraki-managed, ideal for enterprise edge with robust power budget, security, and cloud visibility.

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C9300L-24P-4X-M Description

The Cisco Catalyst C9300L-24P-4X-M is a fixed-uplink, PoE+-capable access switch tailored for enterprise edge deployments requiring robust power delivery and converged infrastructure. It provides 24 downlink ports that support up to 30 W each, ideal for IP phones, wireless APs, and security cameras. The four 10 Gbps uplinks ensure ample bandwidth to aggregation or core layers. Running Cisco IOS XE with a Meraki-managed image ("-M"), it allows zero-touch provisioning, unified policy-based segmentation, and intuitive cloud monitoring. With StackWise-320, up to eight units can form a resilient stack, simplifying operations and enabling high availability through cross-stack EtherChannel, StackPower, and Rapid Spanning Tree convergence. The switch supports advanced Cisco DNA features—such as MACsec, ETA, and model-driven telemetry—making it a foundational element for secure, scalable networks.

Quick Specs

Parameter	Specification
Model	C9300L-24P-4X-M
Switching Capacity	128 Gbps standalone448 Gbps stack
Forwarding Rate	95.23 Mpps standalone333.33 Mpps stack
Downlink Ports	24 × 1G/PoE+ (30 W each)
Uplink Ports	4 × 10 Gbps SFP+ fixed

Stacking Bandwidth	StackWise-320 (320 Gbps)
Default PoE Budget	505 W (using PWR-C1-715WAC-P)
Memory (DRAM)	8 GB
Flash Storage	16 GB

Key Features

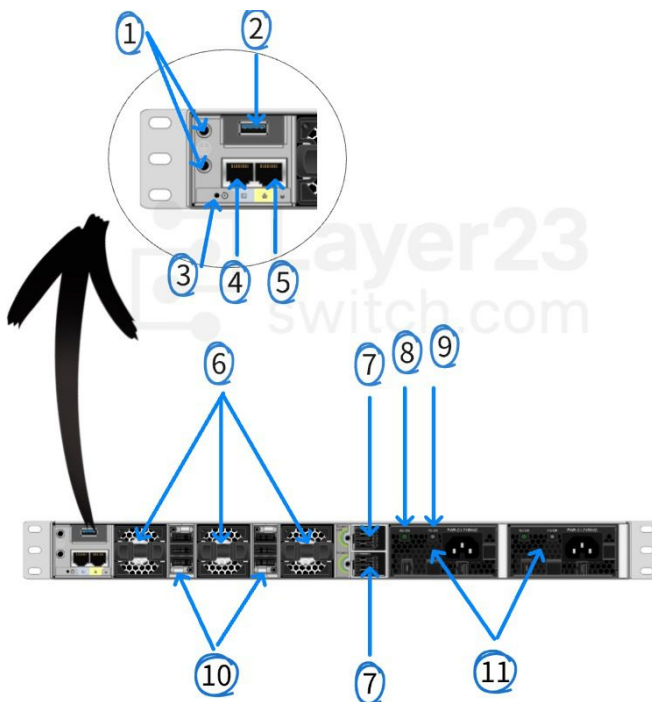
Product Comparison

Parameter	C9300L-24P-4X-M	C9300L-24P-4G-E	C9300L-48P-4X-M
Downlink Ports	24 PoE+ (30 W each)	24 PoE+ (30 W each)	48 PoE+ (30 W each)
Uplink Ports	4 × 10 Gbps SFP+	4 × 1 Gbps SFP	4 × 10 Gbps SFP+
Switching Capacity	128 Gbps448 Gbps stack	56 Gbps376 Gbps stack	176 Gbps496 Gbps stack
Forwarding Rate	95.23 Mpps333.33 Mpps	41.66 Mpps279.76 Mpps	130.95 Mpps369.05 Mpps
PoE Budget (default PSU)	505 W	445 W	505 W
Stacking Bandwidth	320 Gbps	320 Gbps	320 Gbps
Management Image	Meraki ("-M")	IOS XE (Essentials "-E")	Meraki ("-M")
License Tier	Meraki Advanced/Enterprise	Network Essentials ("-E")	Meraki Advanced/Enterprise

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

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

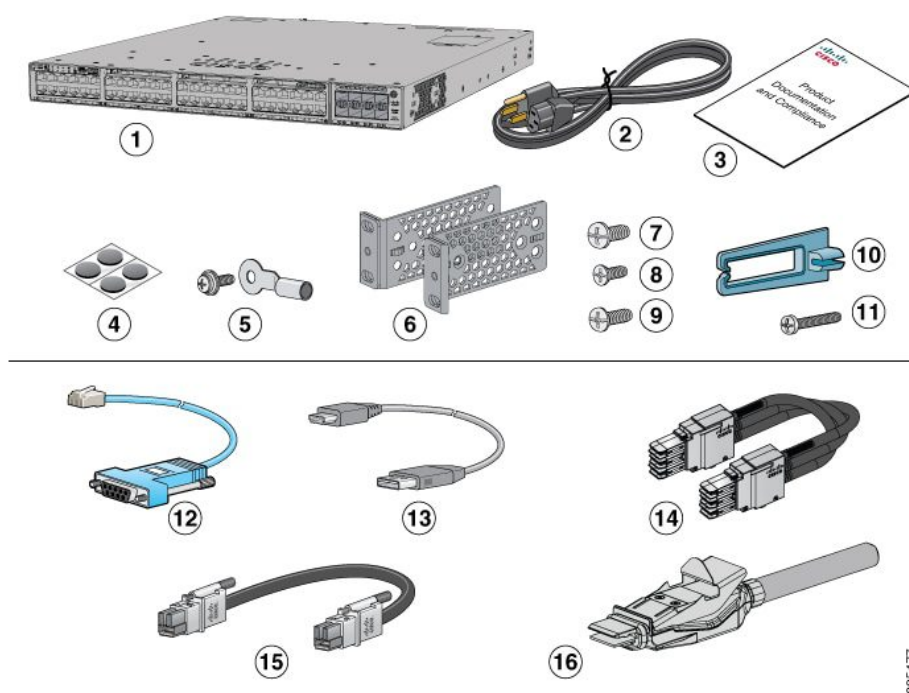
1	Ground connectors	7	StackPower connectors
2	USB3.0-SSD port	8	AC OK (input) status LED
3	BEACON LED	9	PS OK (output) status LED
4	CONSOLE (RJ-45 console port)	10	StackWise-480 port connectors
5	MGMT (RJ-45 10/100/1000 management port)	11	Power supply modules
6	Fan modules	-	-



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-24P-4X-M
Form Factor	1 RU rack-mountable switch
Uplink Ports	4 × 10 Gbps SFP+ fixed
Downlink Ports	24 × 1G/PoE+ ports (30 W per port)
Switching Capacity	128 Gbps standalone / 448 Gbps stack
Forwarding Rate	95.23 Mpps standalone / 333.33 Mpps stack
Stacking Bandwidth	StackWise-320 (320 Gbps per stack link)
Stack Members	Up to 8 switches per stack
DRAM	8 GB
Flash	16 GB
Uplink Module Slots	Fixed (no modular uplinks)
PoE Budget (Default PSU)	505 W (PWR-C1-715WAC-P) – 30 W per port for up to 16 ports; shared distribution up to 24 ports
Maximum PoE Budget	720 W with second 715 W PSU
Power Supplies	1 × 715 W AC (default); optional 2nd 715 W AC
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) w/ default PSU
Weight (w/ PSU)	14.99 lb (6.81 kg)
MTBF	346,940 hours
Operating Temperature	–5 °C to +45 °C at sea level (derate at altitude)
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 802.3af/at (PoE+)
Security Features	MACsec-256, Secure Boot, SUDI, IEEE 802.1X
Telemetry	gNMI, model-driven telemetry, flexible NetFlow
Software Image	Meraki-managed ("-M") for cloud provisioning
License Tier	Meraki Advanced/Enterprise

Parameter	Detail
Warranty	Limited lifetime hardware warranty

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