



C9300LM-24U-4Y-E DataSheet

C9300LM-24U-4Y-E: 24×1 Gb UPOE mini switch with 4×25 Gb uplinks, 248 Gbps switching, 420 W PoE, StackWise-320, and Cisco IOS XE for secure, compact edge access.

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C9300LM-24U-4Y-E Description

Cisco Catalyst C9300LM-24U-4Y-E (“LM” mini form) is a 1 RU, stackable access switch featuring 24 Cisco UPOE ports (1 Gbps/100 Mbps/10 Mbps) and four fixed 25 Gbps SFP28 uplink ports. Its 600 W AC power supply supports up to 420 W of PoE budget (default) and can be upgraded to a 1 kW AC PSU for full 24-port UPOE (1,440 W) support. Built on Cisco IOS XE, it delivers 248 Gbps switching capacity (568 Gbps with stacking) and 184.51 Mpps forwarding (422.59 Mpps with stacking). With advanced security (MACsec, Encrypted Traffic Analytics), robust QoS, and a small footprint, it’s ideal for dense IoT/edge deployments and small-form-factor closets.

Quick Specs

Parameter	Specification
Model	C9300LM-24U-4Y
Downlink Ports	24 × 1 Gb Cisco UPOE (1 Gb/100 Mb/10 Mb) copper
Fixed Uplinks	4 × 25 Gb SFP28
Switching Capacity	248 Gbps (standalone) / 568 Gbps (8-member stack)
Forwarding Rate	184.51 Mpps (standalone) / 422.59 Mpps (8-member stack)
Stacking Bandwidth	StackWise-320: 320 Gbps per switch, 568 Gbps in an 8-member stack

Default Power Supply	PWR-C6-600WAC (600 W AC) — Available PoE 420 W
Optional Power Supply (Upgrade)	PWR-C6-1KWAC (1 kW AC) — Available PoE up to 1,440 W (24×60 W)
DRAM / Flash	8 GB DRAM / 16 GB Flash
Total MAC Addresses	32,000
IPv4 Route Table Entries	32,000 (24,000 direct; 8,000 indirect)
IPv6 Route Table Entries	16,000
VLAN IDs	4,094
ACL Scale Entries	5,120
QoS Scale Entries	5,120

Key Features

Product Comparison

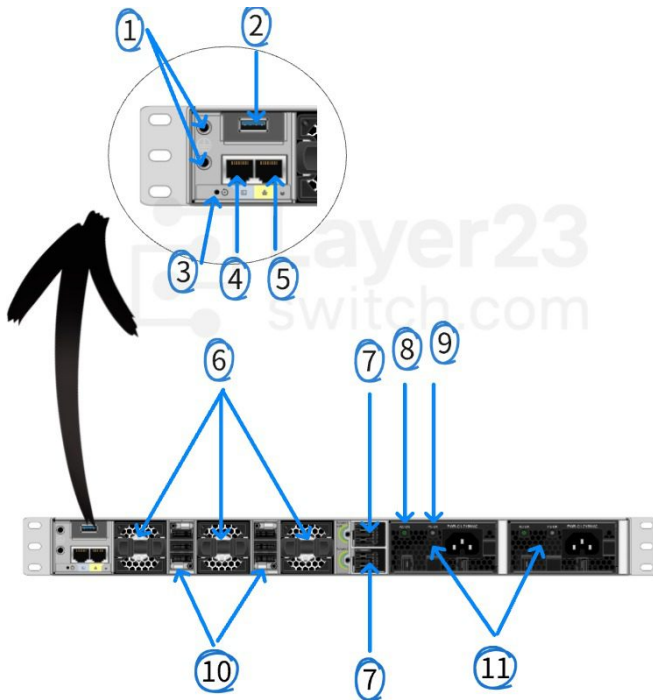
Feature / Model	C9300LM-24U-4Y-E	C9300LM-48U-4Y-E	C9300L-24U-4G-E
Downlink Ports	24 × 1 Gb UPOE	48 × 1 Gb UPOE	24 × 1 Gb UPOE
Fixed Uplinks	4 × 25 Gb SFP28	4 × 25 Gb SFP28	4 × 1 Gb SFP
Switching Capacity	248 Gbps (568 Gbps stack)	296 Gbps (616 Gbps stack)	208 Gbps (688 Gbps stack)
Forwarding Rate	184.51 Mpps (422.59 Mpps stack)	220.22 Mpps (458.30 Mpps stack)	154.76 Mpps (511.90 Mpps stack)
Stacking Bandwidth (8-member)	568 Gbps	616 Gbps	688 Gbps

Default PoE Budget	420 W (600 W AC PSU)	790 W (1 kW AC PSU)	505 W (715 W AC PSU)
DRAM / Flash	8 GB / 16 GB	8 GB / 16 GB	8 GB / 16 GB

C9300LM-24U-4Y-E 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	-	-

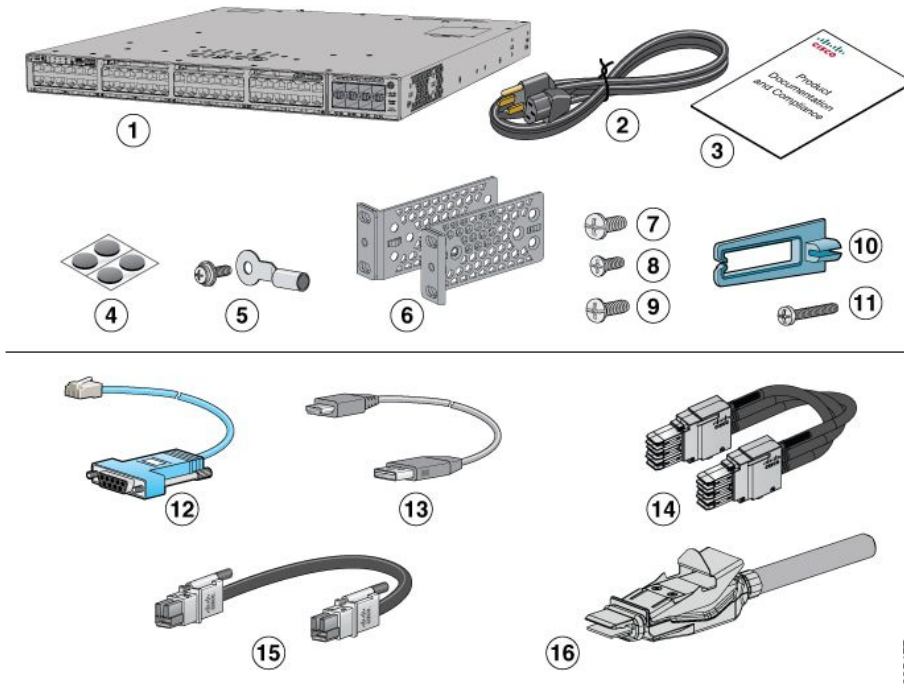


Components Delivered in the Shipping Box

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	C9300LM-24U-4Y
Downlink Ports	24× 1 Gb UPOE (1 Gb/100 Mb/10 Mb) copper
Fixed Uplinks	4× 25 Gb SFP28
Switching Capacity	248 Gbps (standalone), 568 Gbps (8-member StackWise-320)
Forwarding Rate	184.51 Mpps (standalone), 422.59 Mpps (8-member stack)
Stacking Bandwidth	StackWise-320: 320 Gbps per switch, 568 Gbps in an 8-member stack
Default Power Supply	PWR-C6-600WAC (600 W AC) — 420 W PoE budget
Optional Power Supply	PWR-C6-1KWAC (1 kW AC) — 1,440 W PoE budget (24×60 W)
DRAM	8 GB
Flash	16 GB
Total MAC Addresses	32,000

Parameter	Specification
IPv4 Route Table Entries	32,000 (24,000 direct; 8,000 indirect)
IPv6 Route Table Entries	16,000
VLAN IDs	4,094
ACL Scale Entries	5,120
QoS Scale Entries	5,120
Packet Buffer	32 MB
FNF Flow Entries	64,000
Operating Temperature	−5 °C to +45 °C (0 °C cold start)
Dimensions (H×W×D)	4.3 × 44.4 × 33.1 cm (1.73" × 17.5" × 13.03") (with DC PSU)
Weight (with PSU)	11.5 lb (5.21 kg)
MTBF	357,350 hours

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