



C9300-48H-E DataSheet

Cisco Catalyst C9300-48H-E: a 48-port UPOE+ enterprise access switch with modular uplinks, 256 Gbps switching capacity, and StackWise-480 for secure, scalable network deployments.



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C9300-48H-E Description

The Cisco Catalyst 9300-48H-E, also known as the Catalyst 9300 48H-E or simply C9300-48H, is a high-performance, stackable enterprise access switch featuring 48 1 Gbps Universal PoE+ (UPOE+) ports and flexible modular uplinks. Part of the Catalyst 9300 Series with the Network Essentials software license, it delivers robust power, advanced security, and industry-leading resiliency for modern campus and branch networks.

Quick Specs

Feature	Specification
Ports	48 × 1G RJ-45 Universal PoE+ (UPOE+) ports
Uplinks	Modular uplink slots (4 × 1/10G SFP+)
Default Power Supply	1100W AC
Switching Capacity	256 Gbps
Forwarding Rate	190.48 Mpps
Stack Throughput	736 Gbps (StackWise-480)

Key Features

Product Comparison

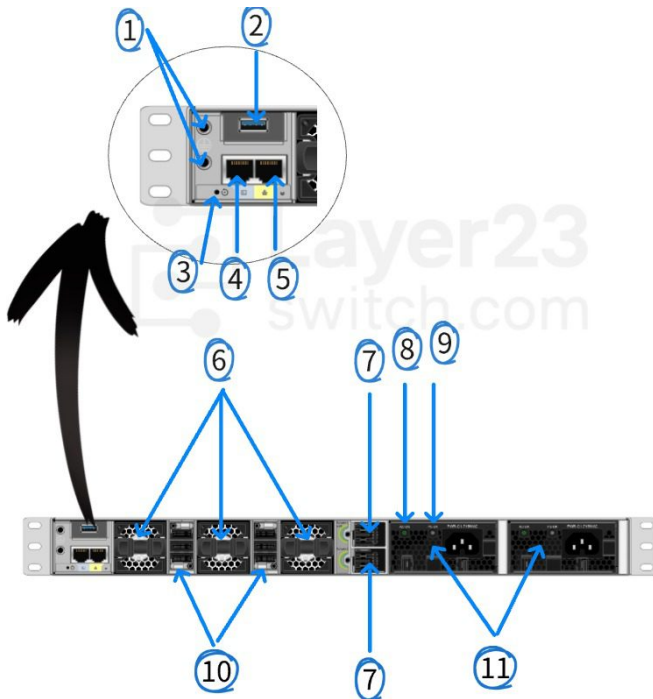
Parameter	C9300-48H-E	C9300-48U-E	C9300-48UXM-E
Switching capacity	256 Gbps (736 Gbps stacked)	256 Gbps (736 Gbps stacked)	580 Gbps (1120 Gbps stacked)
Forwarding rate	190.48 Mpps (547.62 Mpps stacked)	190.48 Mpps (547.62 Mpps stacked)	428.57 Mpps (833 Mpps stacked)
Downlink interfaces	48 × 1 Gb UPOE+ (90 W/port)	48 × 1 Gb UPOE (60 W/port)	36 × 2.5 Gb + 12 × 10 Gb UPOE (60 W/port)
Packet buffer size	16 MB	16 MB	16 MB
Uplink flexibility	4 × Type-1 (4 × 1 Gb → 2 × 40 Gb)	Same as C9300-48H-E	Same Type-1 slot
PoE budget (dual PSUs)	720 W	1440 W	1440 W
Software license	Network Essentials (-E)	Network Essentials (-E)	Network Essentials (-E)

Catalyst 9300 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	-	-

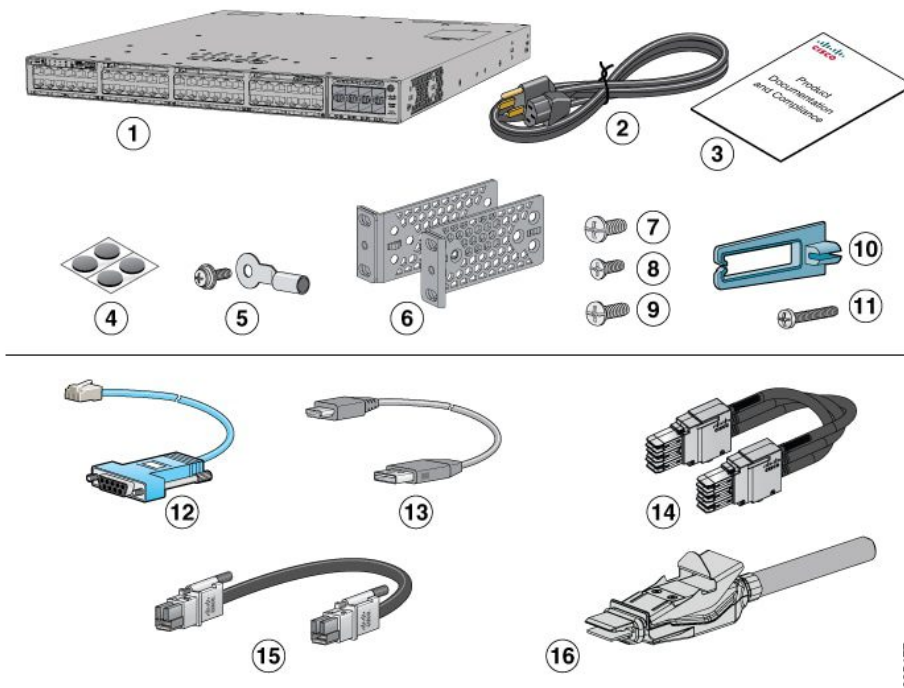


Components Delivered in the Shipping Box

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	Specification
Product Model	C9300-48H-E
Port Type	48 × 10/100/1000Mbps RJ45 UPOE+ ports
Uplink Module Slots	1 × modular slot (supporting: 4 × 1G SFP / 4 × 10G SFP+ / 2 × 25G SFP28 / 8 × 10G SFP+ / 2 × 40G QSFP)
Default Power Supply	1100W AC
PoE/UPoE Power per Port	Up to 90W per port (UPOE+)
Switching Capacity	256 Gbps
Forwarding Rate	190.48 Mpps

Parameter	Specification
Stacking Bandwidth	736 Gbps (StackWise-480)
Stacking Support	Up to 8 units
StackPower Support	Yes (power sharing/redundancy)
DRAM	8 GB
Flash Memory	16 GB
Max VLANs	4094
Max SVIs	1000
Jumbo Frame Size	Up to 9198 bytes
Dimensions (H×W×D)	1.73 x 17.5 x 19.2 in (4.4 x 44.5 x 48.8 cm)
Weight (with power supply)	17.03 lb (7.72 kg)
MTBF	227,410 hours
Acoustic Noise (LpA)	45 dB (typical), 48 dB (max)
Operating Temperature	0°C to 45°C
Redundant Power Supplies	Yes (modular, hot-swappable)
Fan Redundancy	Yes (hot-swappable)
MACsec Encryption	Yes (hardware-based, AES-256)
Energy Efficient Ethernet	Yes (IEEE 802.3az)
IPv4 Routing Entries	32,000
IPv6 Routing Entries	16,000
Max ACL Entries	25,000
QoS Hardware Queues	8 egress queues per port
LED Indicators	Per-port and status LEDs
Management Ports	1 × 10/100/1000 Ethernet (out-of-band), 1 × RJ45 Console, 1 × USB Mini-B Console, 1 × USB Type-A Storage
Industry Certifications	CE, UL, CSA, EAC, RCM, VCCI, CCC, BSMI, KC, RoHS 5/6

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