



C9300-48UXM-E DataSheet

Cisco Catalyst C9300-48UXM-E switch: 48 UPOE multigigabit ports (36×2.5G + 12×10G), 480Gbps stacking, modular uplinks up to 100G, and advanced security—ideal for high-performance enterprise access networks.



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C9300-48UXM-E Description

The Cisco Catalyst 9300-48UXM-E (also known as the Catalyst 9300-48UXM, C9300-48UXM) is a high-performance, stackable enterprise access switch offering 48 Cisco UPOE ports with mixed 2.5 Gb and 10 Gb Multigigabit capabilities. Engineered for modern campus and branch networks, it features modular uplinks up to 100 Gb, 480 Gbps of stacking bandwidth, and advanced hardware-based security and automation powered by Cisco IOS XE.

Quick Specs

Parameter	C9300-48UXM-E Specification
Switching Capacity	580 Gbps (single) / 1060 Gbps switching capacity with stacking
Forwarding Rate	431.54 Mpps (single) / 788.69 Mpps (stacked)
Downlink Ports	48 × 10/5/2.5/1 Gbps UPOE (12 × 10 Gbps capable)
PoE Budget (Default / Max)	490 W / 1590 W (with optional 1900 W secondary PSU)
Uplink Module Slot	1 × modular slot (1/10/25/40/100 Gbps optics)
Stack Switching Capacity	1060 Gbps switching capacity with StackWise-480 (up to 8 members)
Packet Buffer	16 MB

DRAM / Flash	8 GB / 16 GB
Default Power Supply	1100 W AC (PWR-C1-1100WAC-P)

Key Features

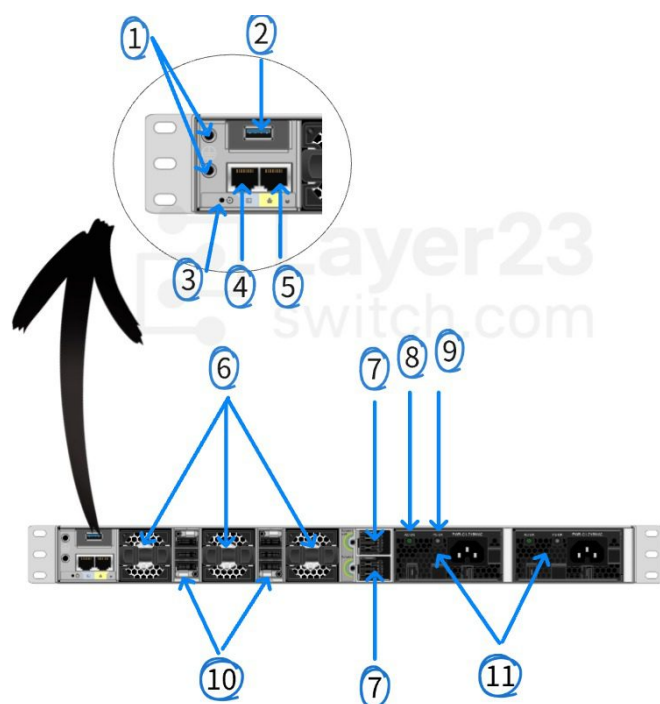
Product Comparison

Parameter	C9300-48UXM-E	C9300-48UXM-A	C9300-48U-E	C9300-48UN-E
Software License	Network Essentials	Network Advantage	Network Essentials	Network Essentials
Downlink Ports	48 × 2.5 Gbps (12 × 10 Gbps) UPOE	48 × 2.5 Gbps (12 × 10 Gbps) UPOE	48 × 1 Gbps UPOE	48 × 5 Gbps UPOE
PoE Budget (Default / Max)	490 W / 1590 W	490 W / 1590 W	822 W / 1800 W	645 W / 2545 W
Switching Capacity	580 Gbps / 1060 Gbps switching capacity with stacking	580 Gbps / 1060 Gbps switching capacity with stacking	256 Gbps / 736 Gbps switching capacity with stacking	256 Gbps / 1120 Gbps switching capacity with stacking
Forwarding Rate	431.54 Mpps / 788.69 Mpps (stacked)	431.54 Mpps / 788.69 Mpps (stacked)	190.47 Mpps / 553.42 Mpps (stacked)	476.19 Mpps / 833.33 Mpps (stacked)
Uplink Options	1 × modular (1/10/25/40/100 Gbps optics)	1 × modular (1/10/25/40/100 Gbps optics)	1 × modular (1/10/25/40/100 Gbps optics)	1 × modular (1/10/25/40/100 Gbps optics)
Packet Buffer	16 MB	16 MB	16 MB	16 MB
MACsec Support	Yes (hardware-accelerated)	Yes (hardware-accelerated)	Yes (hardware-accelerated)	Yes (hardware-accelerated)

Catalyst C9300 Switch Rear Panel

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

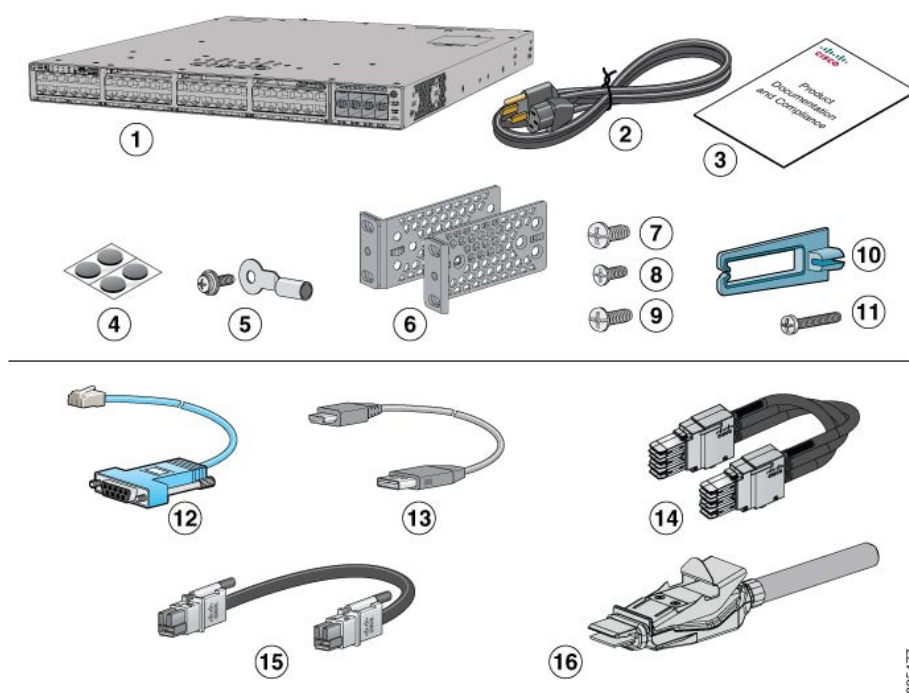
1	Ground connectors	7	StackPower connectors
2	USB3.0-SSD port	8	AC OK (input) status LED
3	BEACON LED	9	PS OK (output) status LED
4	CONSOLE (RJ-45 console port)	10	StackWise-480 port connectors
5	MGMT (RJ-45 10/100/1000 management port)	11	Power supply modules
6	Fan modules	-	-



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	Parameter	Specification
Model	Catalyst 9300-48UXM-E	Uplink Bays	4 modular (1/10/25/40/100 Gb)
Downlink	48×UPOE (36×2.5 Gb + 12×10 Gb mGig)	Stacking	StackWise-480 (480 Gbps) up to 8 members
Switching Capacity	580 Gbps (1 060 Gbps w/ stack)	Forwarding Rate	431.54 Mpps (788.69 Mpps stacked)
MAC Table	32000 entries	IPv4 Routes	32000 (24000 direct + 8000 indirect)
IPv6 Routes	16000 entries	Multicast	8000 routes
PoE Budget	490 W (PWR-C1-1100WAC-P)	PoE Type	Cisco UPOE
Packet Buffer	32 MB	DRAM	8 GB
Flash	16 GB	VLAN IDs	4094
SVI	1000	ACL Entries	5120
QoS Entries	5120	Multicast Routing	8000

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