



C9300-48UN-A DataSheet

Cisco C9300-48UN-A—48 × 5 Gbps multigig UPOE switch with 256 Gbps fabric, StackWise-480, modular uplinks, Network Advantage for secure campus edge

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C9300-48UN-A Description

C9300-48UN-A combines high-density multigigabit UPOE access (48 ports at up to 5 Gbps/port) with a 256 Gbps non-blocking switching fabric. Each port delivers up to 60 W UPOE for Wi-Fi 6E APs, UHD cameras, and IoT endpoints. StackWise-480 provides 480 Gbps per switch (736 Gbps aggregated in an eight-member stack) with sub-50 ms fail-over. A modular uplink bay supports 1 Gb, 10 Gb, 25 Gb, or 40 Gb modules, protecting your core investment. Network Advantage unlocks full L3 routing, SD-Access micro-segmentation, Encrypted Traffic Analytics, and API programmability. Dual field-replaceable PSUs and fans ensure uninterrupted operation in busy campus or enterprise deployments.

Quick Specs

C9300-48UN-A	Specification
Switching capacity	256 Gbps non-blocking; 736 Gbps (stacked)
Forwarding rate	190.48 Mpps; 547.62 Mpps (stacked)
Packet buffer	16 MB shared buffer
Downlink ports	48 × RJ-45 supporting 5 Gb/2.5 Gb/1 Gb/100 Mb, UPOE 60 W/port
Uplink module slot	1 × Type-1 modular (4 × 1 Gb → 2 × 40 Gb) hot-swap

Default PSU / PoE budget	1100 W AC; up to 1440 W PoE (with dual PSUs)
Stacking	StackWise-480: up to 8 members, < 50 ms fail-over
DRAM / Flash	8 GB / 16 GB

Key Features

Product Comparison

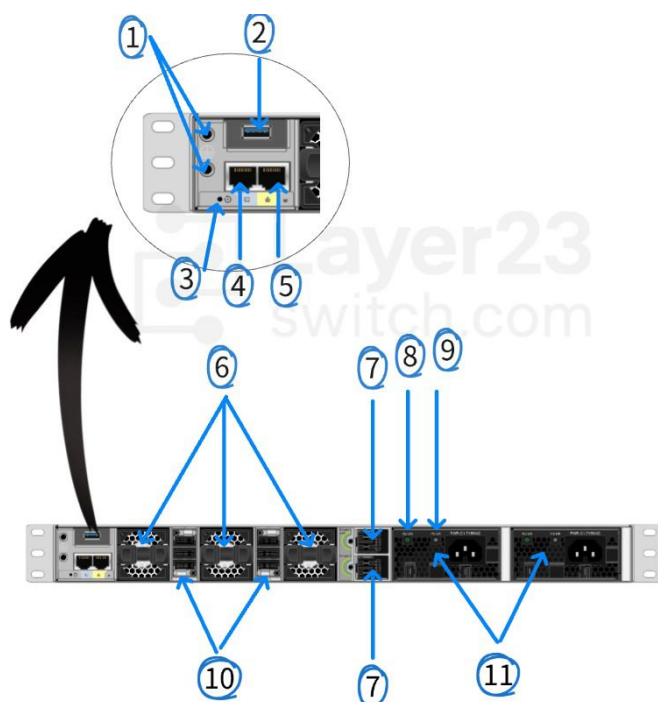
Parameter	C9300-48UN-A	C9300-48U-A	C9300-48UXM-A
Switching capacity	256 Gbps (736 Gbps stacked)	256 Gbps (736 Gbps stacked)	580 Gbps (1120 Gbps stacked)
Forwarding rate	190.48 Mpps (547.62 Mpps stacked)	190.48 Mpps (547.62 Mpps stacked)	428.57 Mpps (833 Mpps stacked)
Downlink interfaces	48 × 5 Gb/2.5 Gb/1 Gb/100 Mb UPOE 60 W	48 × 1 Gb UPOE 60 W	36 × 2.5 Gb + 12 × 10 Gb UPOE 60 W
Packet buffer	16 MB	16 MB	16 MB
Uplink flexibility	1 × Type-1 (4 × 1 Gb → 2 × 40 Gb)	1 × Type-1 (4 × 1 Gb → 2 × 40 Gb)	1 × Type-1 (4 × 1 Gb → 2 × 40 Gb)
Software license	Network Advantage (-A)	Network Advantage (-A)	Network Advantage (-A)

C9300-48UN-A 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	-	-

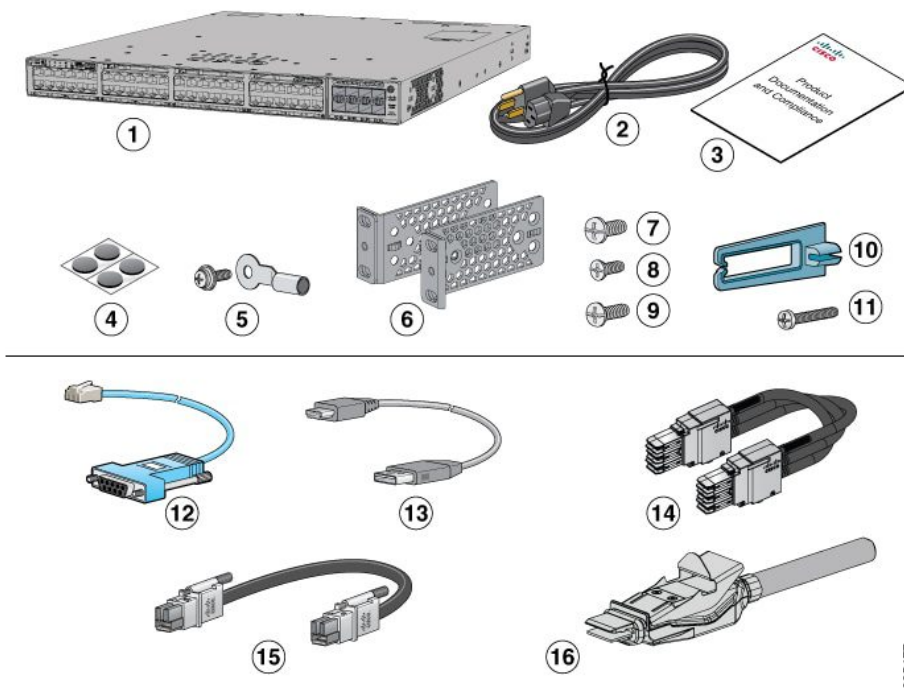


Components Delivered in the Shipping Box

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

Cisco Catalyst 9300-48UN-A Detailed Specifications	
Model SKU	C9300-48UN-A
Software Image	Network Advantage (-A)
Switching Capacity	256 Gbps (non-blocking)
Forwarding Rate	190.48 Mpps (64-byte IPv4)
Stacking Bandwidth	480 Gbps per switch; 736 Gbps end-to-end
Max Stack Members	8

Cisco Catalyst 9300-48UN-A Detailed Specifications

Downlink Interfaces	48 × RJ-45 5 Gb/2.5 Gb/1 Gb/100 Mb, Cisco UPOE 60 W/port
Uplink Module Slot	1 × Type-1 (4 × 1 Gb → 2 × 40 Gb) hot-swap
MAC Address Table	32 000 entries
IPv4 Routes (total)	32 000
IPv6 Routes	16 000
ACL Entries	5 120 hardware ACLs
QoS Entries	5 120
Packet Buffer	16 MB shared buffer
DRAM / Flash	8 GB / 16 GB
External SSD	Optional USB 3.0 SSD slot (up to 240 GB)
Fans	3 × field-replaceable, N+1 redundant
Default PSU	1100 W AC (platinum)
Max PoE Budget	1440 W (with dual PSUs)
Power-over-Ethernet	Cisco UPOE, IEEE 802.3bt, 60 W per port
Dimensions (H × W × D)	1.73 × 17.5 × 19.1 in (4.4 × 44.5 × 48.5 cm)
Weight (with PSU)	20.05 lb / 9.09 kg
Operating Temperature	-5 °C to +45 °C (sea level)
Security Features	Secure Boot, Trust Anchor SUDI, MACsec AES-256
App Hosting	Container support (ThousandEyes, ASA-C)
SD-Access	Group-based policy, on-box automation, fabric segmentation

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