

C9300-48U-A DataSheet

Cisco C9300-48U-A — 48-port 1 GbE UPOE switch with 822 W power budget, 256 Gbps fabric, modular 40 G uplinks & Network Advantage for secure smart-building access

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C9300-48U-A Description



Cisco Catalyst C9300-48U-A delivers pervasive 60 W UPOE power across 48 access ports while providing a non-blocking 256 Gbps switching fabric and advanced Network Advantage services. The hot-swap Type-1 module bay supports 1/10/25/40 G uplinks, safeguarding edge investments as backbone speeds evolve. StackWise-480 aggregates up to eight switches under a single control plane, and StackPower pools spare wattage across the ring for resilient power. With Secure Boot, MACsec-256, ETA analytics and full Layer 3 routing, C9300-48U-A is engineered for zero-trust smart-building and high-density campus deployments.

Quick Specs

C9300-48U-A	Specification
Switching capacity	256 Gbps (736 Gbps stacked)

Forwarding rate	190.48 Mpps (547.62 Mpps stacked)
Downlink ports	48 × 1 G RJ-45, 60 W UPOE
Uplink slot	1 × Type-1 (4×1 G→2×40 G)
PoE budget (default)	822 W with 1100 W PSU
Packet buffer	16 MB
Stacking	StackWise-480, 480 Gbps, 8 members
StackPower	Supported, 4-switch ring

Key Features

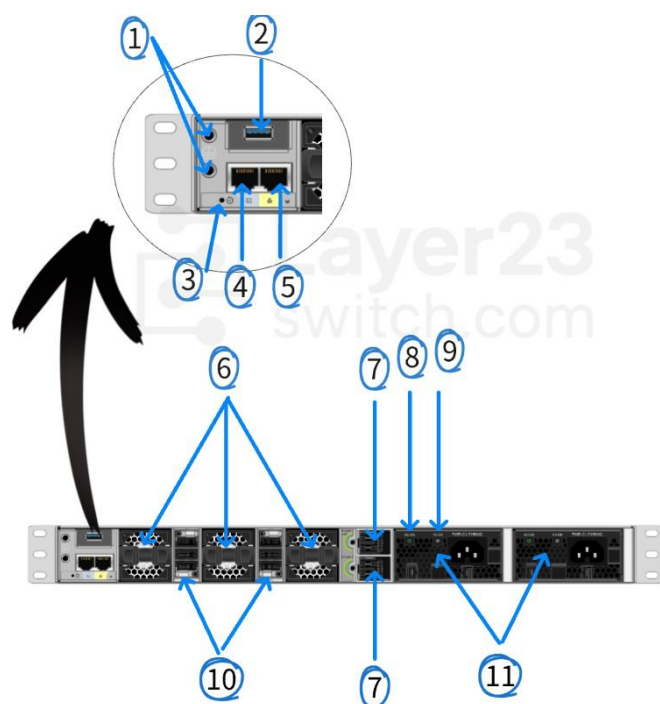
Product Comparison

Parameter	C9300-48U-A	C9300-48P-A	C9300-48T-A
Switching capacity	256 Gbps	256 Gbps	256 Gbps
Forwarding rate	190.48 Mpps	190.47 Mpps	190.47 Mpps
Downlink type	48 × 1 G UPOE 60 W	48 × 1 G PoE+ 30 W	48 × 1 G data
Default PoE budget	822 W	740 W	N/A
Packet buffer	16 MB	16 MB	16 MB
Uplink module slot	Type-1 (4×1→2×40 G)	Same	Same
Stacking bandwidth	480 Gbps	Same	Same
StackPower	Yes	Yes	Yes
Default PSU	1100 W AC	715 W AC	350 W AC
Software image	Network Advantage	Network Advantage	Network Advantage

C9300-48U-A Switch Rear Panel

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

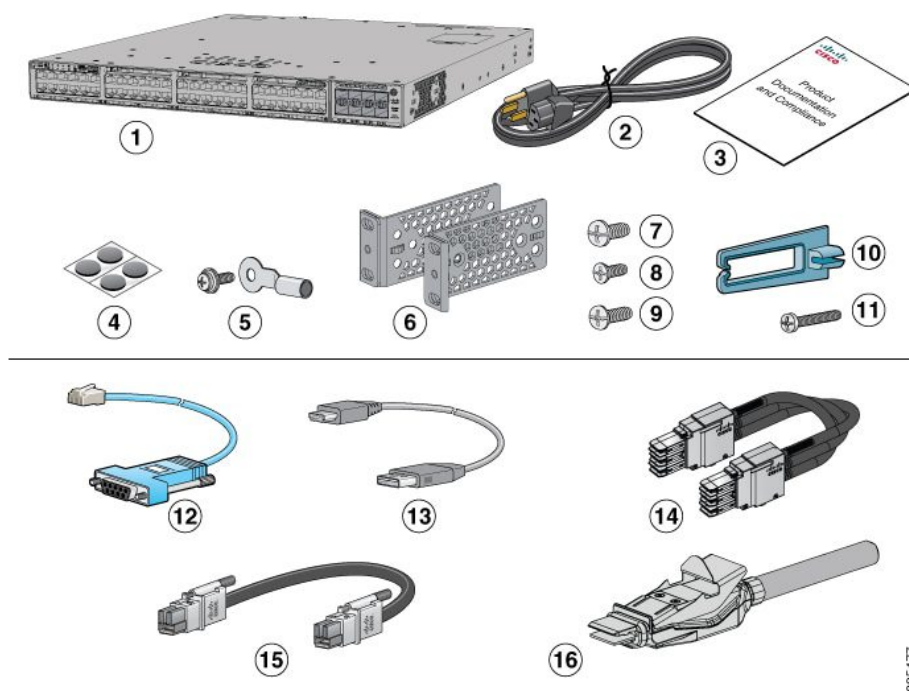
1	Ground connectors	7	StackPower connectors
2	USB3.0-SSD port	8	AC OK (input) status LED
3	BEACON LED	9	PS OK (output) status LED
4	CONSOLE (RJ-45 console port)	10	StackWise-480 port connectors
5	MGMT (RJ-45 10/100/1000 management port)	11	Power supply modules
6	Fan modules	-	-



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



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Specification

Cisco Catalyst C9300-48U-A Detailed Specifications

Model SKU	C9300-48U-A
Software Image	Network Advantage
Switching Capacity	256 Gbps
Forwarding Rate	190.48 Mpps
Stacking Bandwidth	480 Gbps (StackWise-480)
Downlink Interfaces	48 × 1G RJ-45, UPOE 60 W
Maximum PoE Budget	822 W (default PSU)
Uplink Module Bay	1 × Type-1 (4×1G / 8×10G / 2×25G / 2×40G)
Packet Buffer	16 MB
MAC Address Table	64,000 entries
IPv4 Routes	64,000 total
IPv6 Routes	16,000
ACL Entries	5,120
QoS Entries	5,120
Flexible NetFlow	64,000 flows
DRAM / Flash	8 GB / 16 GB
External SSD Slot	USB 3.0 (up to 240 GB)
Default Power Supply	1100 W AC platinum
Redundant PSUs	Optional 715 W / 1100 W
Fan Modules	3 × FRU, N+1 redundant
Dimensions (H × W × D)	1.73 × 17.5 × 19.2 in
Weight (with PSU)	17.03 lb / 7.72 kg
Operating Temperature	-5 °C to +45 °C
StackPower	Yes - 4-switch ring
App Hosting	ThousandEyes, ASA-c containers

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