



C9300-48H-A DataSheet

Cisco C9300-48H-A—48 × 1 Gb UPOE+ (90 W/port) switch with 256 Gbps fabric, StackWise-480, modular uplinks, and Network Advantage for secure, programmable campus edge.

[READ MORE](#)



C9300-48H-A Description

C9300-48H-A delivers forty-eight 1 Gb UPOE+ ports with up to 90 W per port over a 256 Gbps non-blocking switching fabric. Four hot-swap Type-1 uplink bays support any combination of 1 Gb, 10 Gb, 25 Gb, or 40 Gb modules. StackWise-480 offers 480 Gbps per switch and up to 736 Gbps across an eight-switch stack with sub-50 ms fail-over. Network Advantage unlocks full Layer 3 routing, SD-Access segmentation, Encrypted Traffic Analytics, and API programmability for automated campus fabrics. Dual 1100 W AC power supplies yield up to 720 W of PoE budget, while redundant, field-replaceable fans maintain always-on cooling.

C9300-48H-A Quick Specs

C9300-48H-A	Specification
Switching capacity	256 Gbps (non-blocking); 736 Gbps (stacked)
Forwarding rate	190.48 Mpps (single); 547.62 Mpps (stacked)
Downlink ports	48 × 1 Gb RJ-45 UPOE+ (IEEE 802.3bt, 90 W/port)
Uplink module bays	4 × Type-1 (4 × 1 Gb → 2 × 40 Gb) hot-swap
Stacking	StackWise-480: 480 Gbps per switch; up to 8 members; < 50 ms fail-over
Default PSUs / PoE budget	2 × 1100 W AC; up to 720 W PoE

Packet buffer size	16 MB shared buffer
DRAM / Flash	8 GB / 16 GB
Software license	Network Advantage (-A)

Key Features

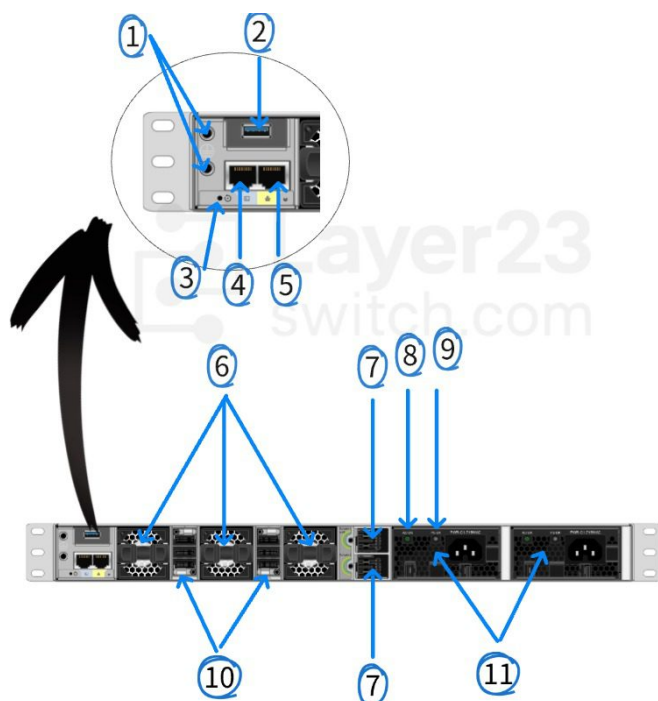
Product Comparison

Parameter	C9300-48H-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 × 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-A	Same Type-1 slot
PoE budget (dual PSUs)	720 W	1440 W	1440 W
Software license	Network Advantage (-A)	Network Advantage (-A)	Network Advantage (-A)

C9300-48H-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	-	-

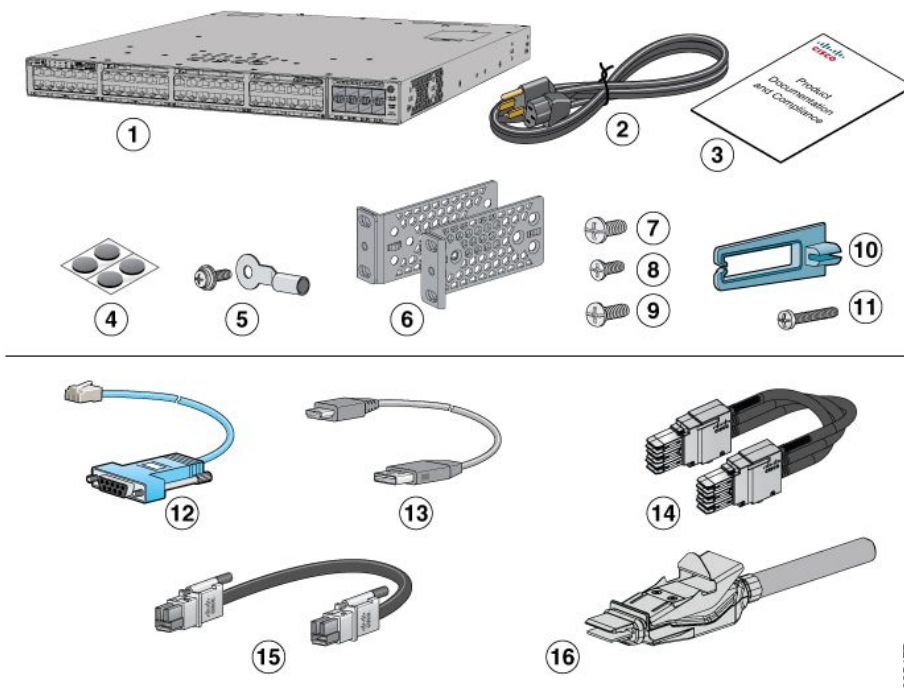


Components Delivered in the Shipping Box

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 9300-48H-A Detailed Specifications

Model SKU	C9300-48H-A
Software Image	Network Advantage (-A)
Switching Capacity	256 Gbps (non-blocking)

Cisco Catalyst 9300-48H-A Detailed Specifications

Forwarding Rate	190.48 Mpps (64-byte IPv4)
Stacking Bandwidth	480 Gbps per switch; 736 Gbps end-to-end
Max Stack Members	8
Downlink Interfaces	48 × RJ-45 1 Gb UPOE+ (IEEE 802.3bt type 4, 90 W/port)
Uplink Module Slot	4 × 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	720 W (with dual 1100 W PSUs)
Power-over-Ethernet	UPOE+ IEEE 802.3bt type 4, 90 W per port
Dimensions (H × W × D)	1.73 × 17.5 × 19.2 in (44.5 × 48.8 × 4.4 cm)
Weight (with PSU)	17.03 lb / 7.72 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

Want to Buy

[ORDER NOW](#) [GET A QUOTE](#)

Why Layer23-Switch.com

As a leading network hardware supplier, Layer23-Switch.com focuses on original new ICT equipment of Cisco, H3C, Juniper, etc.

200+

Countries we Sold

18,000+

Customers Trusted

\$20,000,000

Inventory Available

50%-98%

Off Global List Price

100%

Safe Online Shopping

Contact Us

- WhatsApp: [+8617181189993](https://wa.me/8617181189993)
- Wechat: [17181189993](https://www.wechat.com/qrcode/business?business_id=17181189993)
- Email: sales@layer23-switch.com