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C9300-48P-A DataSheet

Cisco C9300-48P-A: A 48-port PoE+ Gigabit Ethernet switch with Network Advantage. Optimize your network for IoT and cloud, differentiate with superior stacking capacity and advanced security features for robust enterprise deployments.

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C9300-48P-A Description

The Cisco Catalyst C9300-48P-A is a high-performance, 48-port switch designed for modern enterprise networks. It offers Power over Ethernet Plus (PoE+) to power devices such as IP phones and wireless access points. This model is equipped with modular uplinks, providing flexibility for future network growth, and comes with the Network Advantage license, enabling advanced networking features. Its stacking capability, resiliency, and support for various uplink speeds make it an excellent choice for businesses requiring reliable and scalable network infrastructure.

Quick Specs

Parameter	C9300-48P-A
Ports	48 x 1G PoE+ (30W per port)
PoE Capability	PoE+ (30W per port)
Stacking Bandwidth	480 Gbps (StackWise-480)
Forwarding Rate	366.96 Mpps (without stacking)

Uplink	Modular 10G/25G/40G uplinks
Power Supply	PWR-C1-715WAC-P
Max Power Budget	715W (for PoE+ power)
Dimensions (HxWxD)	1.73 x 17.5 x 19.2 inches (44 x 44.5 x 48.8 cm)
Weight	16.73 lbs (7.59 kg)

Key Features

Product Comparison

Feature	C9300-48P-A	C9300-48T-A	C9300-48U-A
Port Type	48 × 1 G PoE+	48 × 1 G data	48 × 1 G UPOE
Per-Port Power	30 W	–	60 W
Switching / Stacked	256 / 736 Gbps	256 / 736 Gbps	256 / 736 Gbps
PoE Budget	715 W	–	1100 W
Ideal Use	Dense PoE edge	Data-only edge	High-power IoT edge

C9300-48P-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	–	–
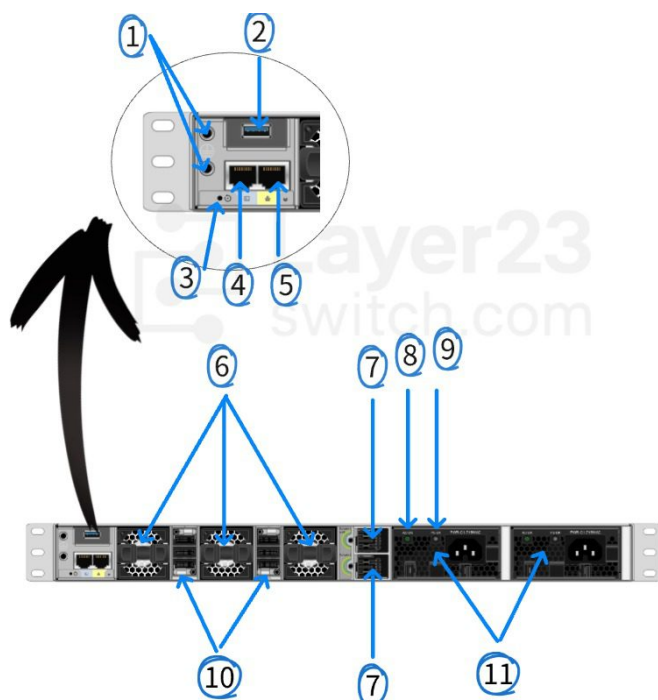
Components Delivered in the Shipping Box

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
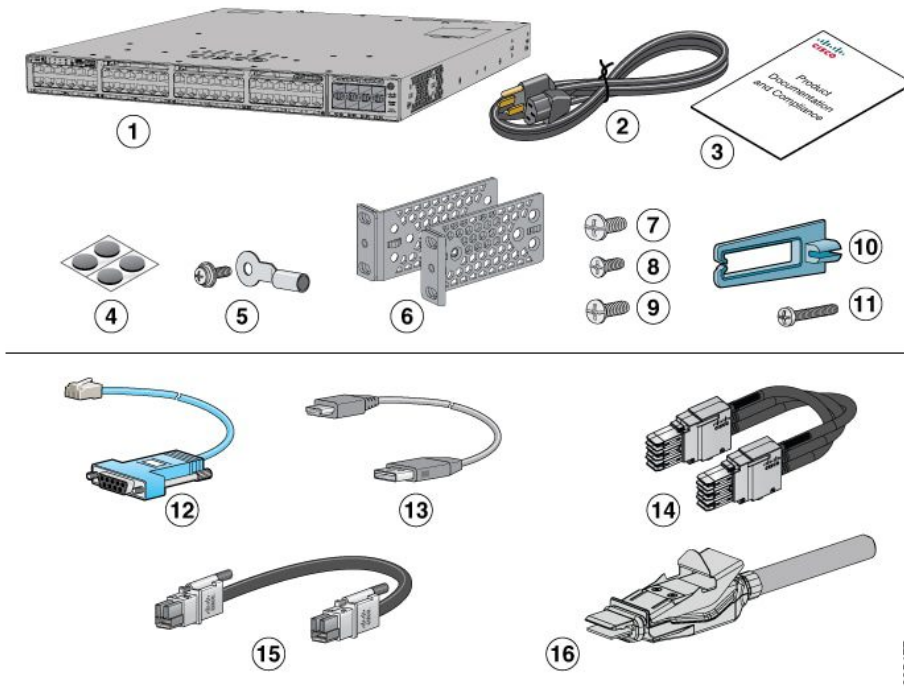
Specification

Specification	Details
Model	C9300-48P-E
Ports	48 x 10/100/1000 Ethernet PoE+ ports
Uplink	Modular (supports network modules such as C9300-NM-4G, 8X, 2Q, 2Y)
Default AC Power Supply	715W AC (PWR-C1-715WAC)
Available PoE Power	437W with default PSU, up to 1440W with dual 1100W PSU
Stacking Bandwidth	480 Gbps (StackWise-480)
Switching Capacity	256 Gbps
Forwarding Rate	190.47 Mpps

Specification	Details
DRAM / Flash	8 GB / 16 GB
MAC Address Table	32,000 entries
QoS/ACL Scale	QoS: 5,120 entries / ACL: 5,120 entries
Packet Buffer	16 MB
Software	Cisco IOS XE, supports DNA Essentials or Advantage license
Stacking Support	Up to 8 switches
Dimensions (H x W x D)	1.73 x 17.5 x 17.7 in (with default PSU)
Weight	7.59 kg (16.73 lbs)
MTBF	277,770 hours
PoE Standard	IEEE 802.3at (PoE+), up to 30W per port
Redundancy	Dual redundant, hot-swappable power supplies and fans
Management	CLI, Web UI, Cisco DNA Center, SNMP, NetFlow, RESTCONF, NETCONF
Security	MACsec-128, ETA (Encrypted Traffic Analytics), Trustworthy Systems
Operating Temperature	-5°C to +45°C (up to 1500m altitude)

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