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C9300-24P-A DataSheet

Shop Cisco C9300-24P-A 24-Port PoE+ Switch with 4x1G uplinks. High-performance, stackable enterprise Layer 3 switch. In-stock with global shipping.

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C9300-24P-A Description

The Cisco C9300-24P-A is a stackable enterprise-class switch designed for access layer deployments. It features 24 PoE+ (Power over Ethernet Plus) ports, making it ideal for powering devices like IP phones, access points, and security cameras—without needing separate power supplies.

Model Meaning

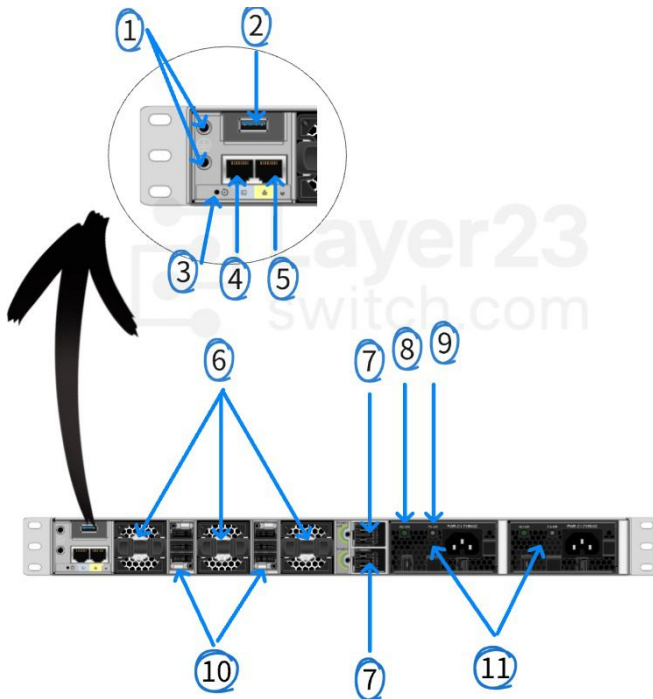| Part	Meaning	Description
C	Catalyst	Cisco enterprise-class switching series
9300	Catalyst 9300 Series	Designed for enterprise access, supports both Layer 2 and Layer 3
24	24 Ports	24 standard Gigabit RJ45 ports
P	PoE+ Support	Supports PoE+, powers devices like IP phones and access points
A	Network Advantage	Includes advanced routing, security, and segmentation features

Key Features

Product Comparison

Feature	C9300-24P-A	C9300L-24P-4X-A
Series	Catalyst 9300 (Modular, Premium)	Catalyst 9300L (Fixed uplink, Lite version)
Ports	24 × 1G RJ45 (PoE+)	24 × 1G RJ45 (PoE+)
PoE Power Budget	Up to 445W (default PSU), up to 1100W optional	Fixed ~370W (non-FRU)
Uplink	Modular slot (custom 1G/10G/25G)	Fixed 4 × 10G SFP+
Stacking	StackWise-480 (modular stacking)	StackWise-320 (fixed stacking)
License	Network Advantage (A)	Network Advantage (A)
Fan & PSU	Field-replaceable (FRU)	Fixed fan, fixed PSU (non-modular)
Target Use	Large enterprise, high flexibility	Cost-effective deployments with fixed needs

C9300-24P-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

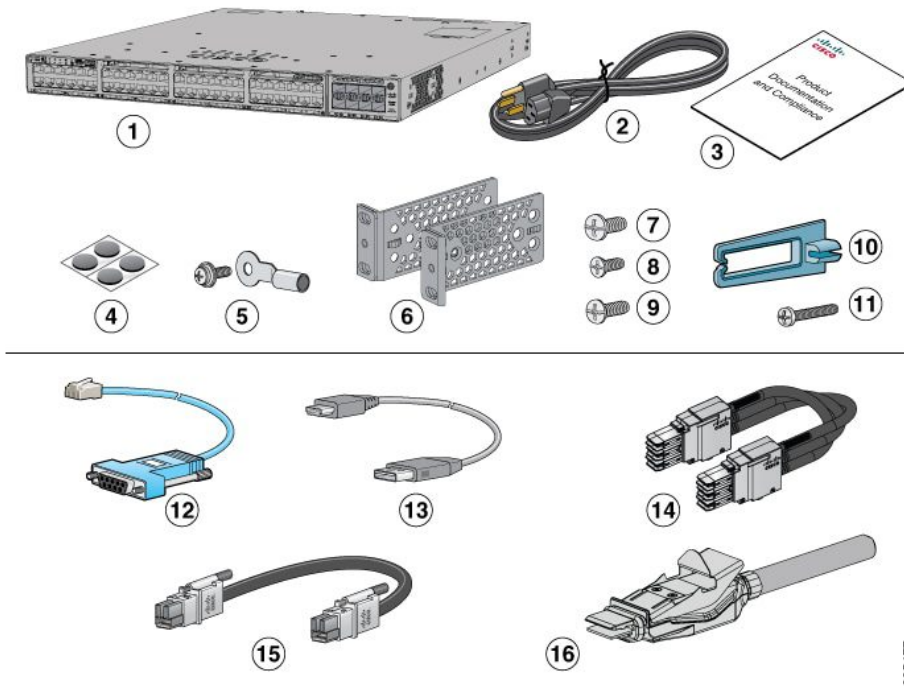| 5	MGMT (RJ-45 10/100/1000 management port)	11	Power supply modules
6	Fan modules	–	–

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

Parameter	Specification	Parameter	Specification
Model	C9300-24P-A	Switching Capacity	208 Gbps
Downlink Ports	24 × 10/100/1000 Mbps PoE+	Switching Capacity (Stack)	688 Gbps
Uplink Module Slot	1 × network module slot	Forwarding Rate	154.76 Mpps
Supported NM	C9300-NM-4G/8X/2Q/4M/2Y	Forwarding Rate (Stack)	511.90 Mpps
Default PSU	715W AC (PWR-C1-715WAC-P)	Stacking Bandwidth	480 Gbps
Max PSU	1100W/1900W (optional)	Stack Members	Up to 8
Available PoE Power	445W (default), 720W (max)	PoE Standard	802.3af/at, up to 30W/port

Parameter	Specification	Parameter	Specification
Packet Buffer	16 MB	MAC Address Table	32,000
IPv4 Routes	32,000	IPv6 Routes	16,000
VLANs	4094	SVIs	1000
Jumbo Frame	9198 bytes	DRAM	8 GB
Flash Memory	16 GB	Fans	3, hot-swappable, redundant
StackPower	Supported	Redundant PSU	Supported (dual slots)
Mgmt Ports	1 x RJ45, 1 x USB-B, 1 x USB 2.0	Network OS	Cisco IOS XE
EEE	Supported	Fast/Perpetual PoE	Supported
Dimensions (H×W×D)	1.73×17.5×17.7 in	Weight	16.33 lbs (7.4 kg)
MTBF	299,000 hrs	Operating Temp	-5°C to +45°C
Acoustic Noise	45dB typ, 48dB max		

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