



C9300-24P-E DataSheet

Buy Cisco Catalyst C9300-24P-E - 24-port PoE+ switch with modular uplinks, StackWise-480, and enterprise-grade performance for scalable networks.

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C9300-24P-E Description

The Cisco C9300-24P-E is a next-gen enterprise-class access switch that delivers powerful performance, high security, and full-stack programmability. It comes with 24 PoE+ ports, making it ideal for powering IP phones, wireless access points, and security cameras—all over a single cable. This model includes the Network Advantage license, unlocking advanced Layer 3 features like full routing, segmentation, and advanced security options. It's designed for scalable deployments where performance, automation, and future growth are key.

Model Meaning

Part	Meaning	Description
C	Catalyst	Cisco's enterprise-class switch series
9300	Catalyst 9300 Series	Modular, stackable Layer 3 enterprise access switches
24	24 Ports	24 Gigabit Ethernet RJ45 ports
P	PoE+ Support	All ports support Power over Ethernet Plus (up to 30W per port)
E	Network Essentials	Base-level license with Layer 2 and essential Layer 3 routing functionality

Key Features

Enterprise-Grade Layer 3 Features

Includes advanced routing, segmentation, and multicast support with the Network Advantage license.

Product Comparison

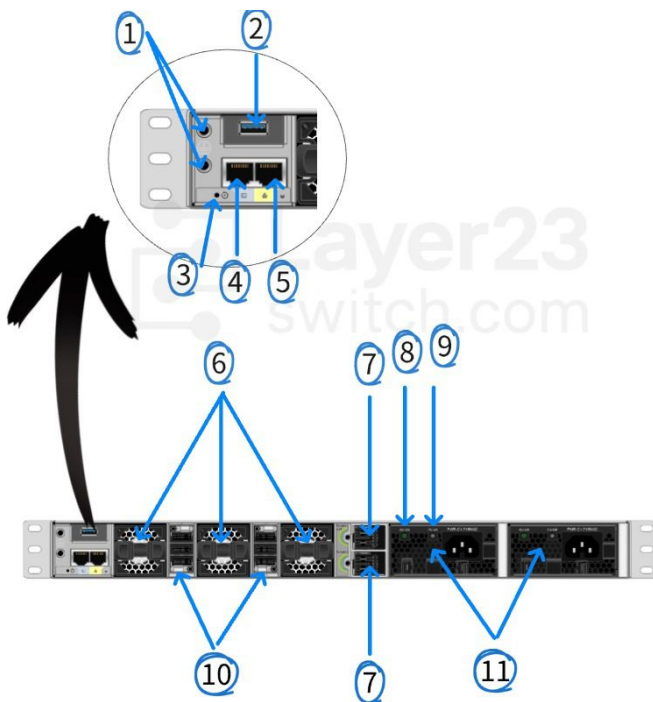
Feature	C9300-24P-E	C9300L-24P-4G-E
Series	Catalyst 9300	Catalyst 9300L (Lite version)
Ports	24 × 1G RJ45 (PoE+)	24 × 1G RJ45 (PoE+)
PoE Power Budget	Up to 445W (default), up to 1100W optional	Fixed ~370W (non-replaceable PSU)
Uplinks	Modular uplink slot (customizable)	Fixed 4 × 1G SFP (non-modular)
License	Network Essentials (E)	Network Essentials (E)
Stacking Support	StackWise-480 (up to 8 units)	StackWise-320 (up to 8 units)
Fan/PSU	Field-replaceable (FRU)	Fixed, non-replaceable
Use Case	Flexible, scalable deployments	Fixed-feature, cost-optimized environments

C9300-24P-E 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	-	-

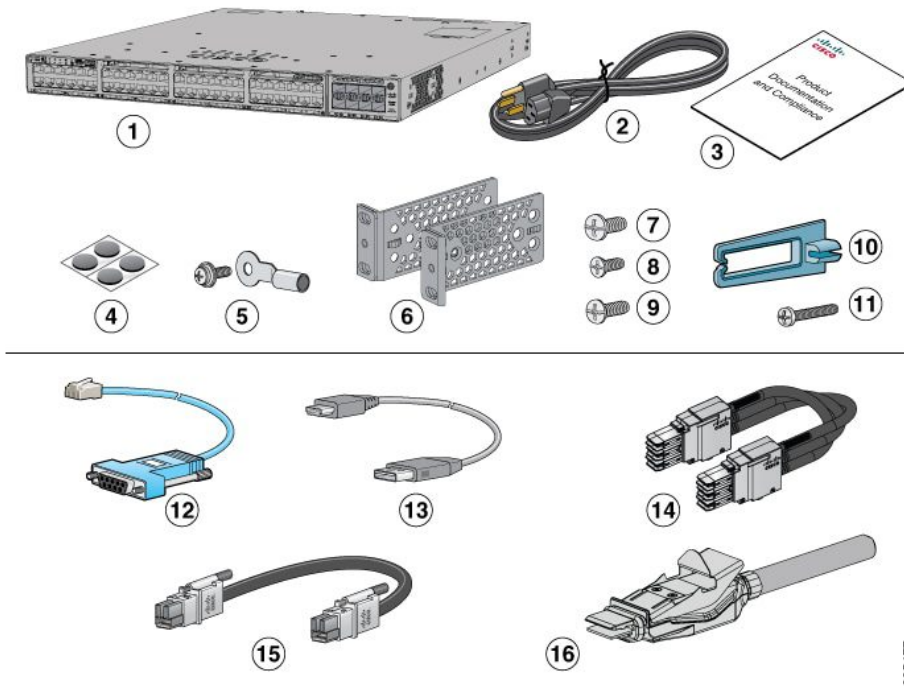


Components Delivered in the Shipping Box

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-E	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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