C9300L-24P-4X-A DataSheet

Cisco C9300L-24P-4X-A: 24-Port PoE+ access switch with 4×10G SFP+ uplinks, 505W PoE, StackWise-320, advanced security, and high performance for enterprise campus networks.

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C9300L-24P-4X-A Description

The Cisco Catalyst C9300L-24P-4X-A is a next-generation stackable access switch engineered for enterprise, campus, and digital building deployments. Featuring 24 PoE+ ports and four 10G SFP+ uplinks, this model delivers high-performance connectivity and scalable power for modern workspaces. The default 505W PoE budget supports advanced wireless, IP telephony, and IoT devices right out of the box. StackWise-320 technology allows up to 8 switches to be managed as a single unit with 320 Gbps stacking bandwidth, ensuring simplified management and future-ready expansion. With advanced security, field-replaceable power supply and fans, and full support for automation and programmability, the C9300L-24P-4X-A is an ideal solution for secure and resilient access networks in digital transformation projects

Quick Specs

Parameter	Specification
Ports	24 × 10/100/1000BASE-T PoE+ (IEEE 802.3at)
Uplink	4 × 10G SFP+ (fixed uplinks)
Default PoE Budget	505W (with PWR-C1-715WAC-P)
Stacking	StackWise-320, up to 8 units, 320 Gbps
Switching Capacity	128 Gbps (Standalone) / 448 Gbps (With Stacking)

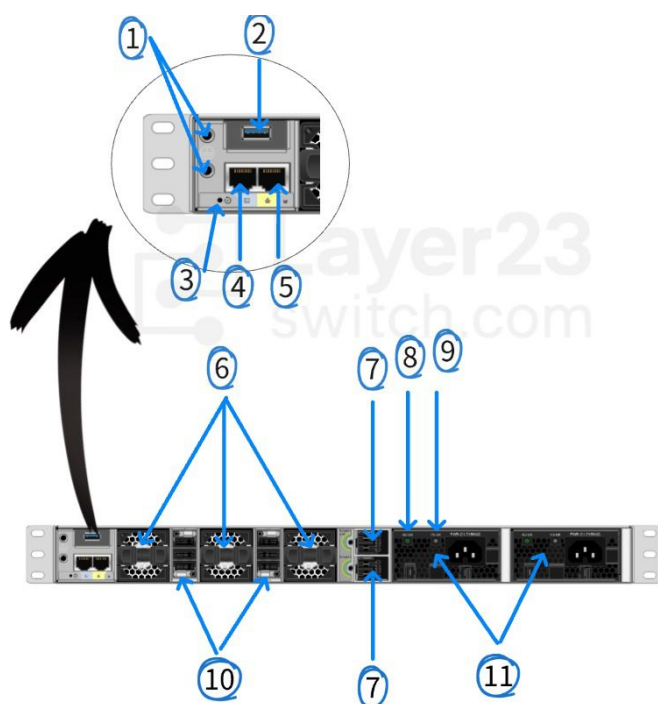| Forwarding Rate	95.23 Mpps (Standalone) / 333.33 Mpps (Stacked)
Power Supply	1 × PWR-C1-715WAC-P (field-replaceable)
Fan	3 field-replaceable fans
Dimensions (HxWxD, inch)	1.73 × 17.5 × 17.7 (with PSU)
Weight	14.99 lbs (6.81 kg, with PSU)
MTBF	340,710 hours

Key Features

Product Comparison

Parameter	C9300L-24P-4X-A	C9300L-48P-4X-A	C9300L-24T-4X-A
Total Ports	24	48	24
PoE Capability	PoE+ (505W)	PoE+ (505W)	No
Uplink Ports	4×10G SFP+	4×10G SFP+	4×10G SFP+
Switching Capacity	128 Gbps	176 Gbps	128 Gbps
Forwarding Rate	95.23 Mpps	130.95 Mpps	95.23 Mpps
Stacking Bandwidth	448 Gbps	496 Gbps	448 Gbps
Energy Efficiency	High	High	High
Management	Web UI/DNA	Web UI/DNA	Web UI/DNA
Application	PoE-heavy	PoE-heavy	Data Only
Fan Type	Modular	Modular	Modular
Default Power Supply	715W AC	715W AC	350W AC

Catalyst 9300 Switch Rear Panel

The switch rear panel includes StackWise connectors, StackPower or XPS connectors, ports, fan modules, and power supply modules.
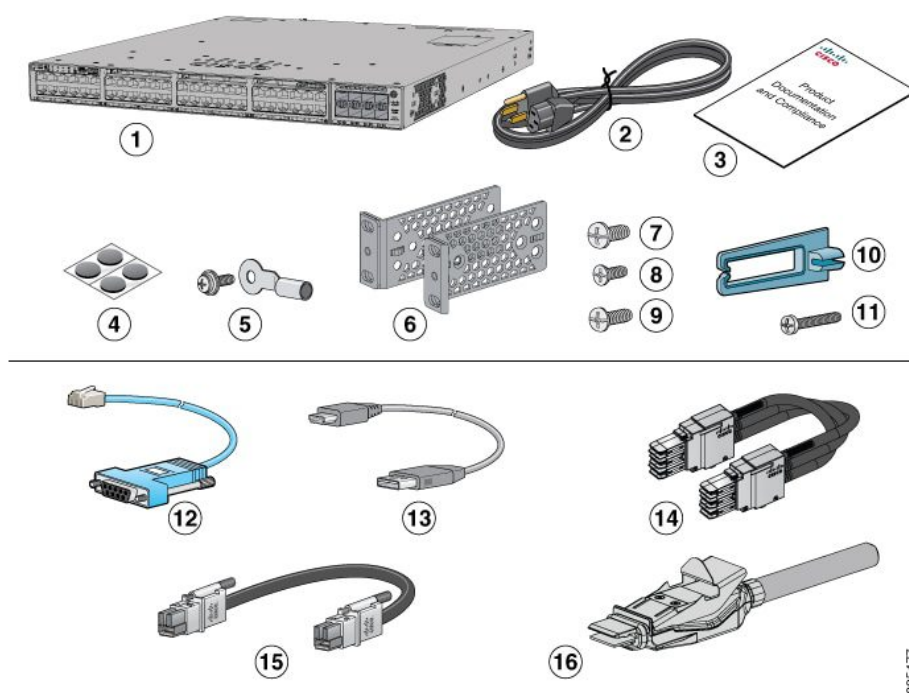
1	Ground connectors	7	StackPower connectors
2	USB3.0–SSD port	8	AC OK (input) status LED
3	BEACON LED	9	PS OK (output) status LED
4	CONSOLE (RJ-45 console port)	10	StackWise-480 port connectors
5	MGMT (RJ-45 10/100/1000 management port)	11	Power supply modules
6	Fan modules	–	–

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 Number	C9300L-24P-4X-A	DRAM	4 GB
Downlink Ports	24 × 10/100/1000 Mbps PoE+	Flash Memory	4 GB
Uplink Ports	4 × 10G/1G SFP+	Dimensions (H×W×D)	4.4×44.5×40.9 cm
PoE Budget	505 W	Weight	6.81 kg
Switching Capacity	128 Gbps	Stacking Technology	StackWise-320
Forwarding Rate	95.23 Mpps	Operating Temperature	-5°C to +45°C
Stacking Bandwidth	320 Gbps	Storage Temperature	-40°C to +70°C
Default Power Supply	715W AC	Humidity	10% – 95% Non-condensing
Power Supply Redundancy	Dual Redundant	Altitude	Up to 3000m
Fan Redundancy	Fixed Fans	Mean Time Between Failures	303,870 hours
Management Ports	RJ-45, USB Mini-Type B Console	Energy Efficiency	Energy Efficient Ethernet (EEE)
USB Ports	USB Type A	Security Features	Cisco TrustSec, MACsec-128, IPv6 Security
Network Software	Network Advantage	Layer Support	Layer 2 & Layer 3
Multicast Support	IGMP, IGMP Snooping, PIM	QoS Features	Marking, Scheduling, Policing
Routing Protocols	Static, RIP, OSPF, EIGRP, BGP	VLAN Support	4094 VLANs, 802.1Q
Compliance Standards	RoHS, FCC Class A, UL 60950-1, IEC 60950-1	MTU Support	9198 bytes

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