C9300L-24P-4G-A DataSheet

Cisco C9300L-24P-4G-A 24-port PoE+ managed switch with 4×1G SFP uplinks, 505W PoE, StackWise-320, Layer 3—ideal for secure campus and branch networks.

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C9300L-24P-4G-A Description

The Cisco Catalyst C9300L-24P-4G-A is a high-performance, stackable managed Layer 3 PoE+ network switch designed for modern enterprise access and campus environments. This 24-port PoE+ switch with SFP uplinks provides 24× Gigabit Ethernet PoE+ ports (up to 30W per port) and 4× 1G SFP uplink ports for flexible fiber connectivity. Featuring a generous 505W PoE budget and StackWise-320 stacking up to 320Gbps, the C9300L-24P-4G-A ensures scalable, resilient deployments with simple management via Cisco IOS XE. Ideal for organizations needing a Cisco 24-port PoE+ switch with fiber uplinks, advanced security, automation, and high reliability for unified wireless, IP telephony, IoT, and branch networking.

Ethernet Ports

Switching Capacity

Forwarding Rate

Quick Specs

Parameter	C9300L-24P-4G-A
Switching Capacity	56 Gbps (standalone) / 376 Gbps (stacked)
Forwarding Rate	41.66 Mpps (standalone) / 279.76 Mpps (stacked)

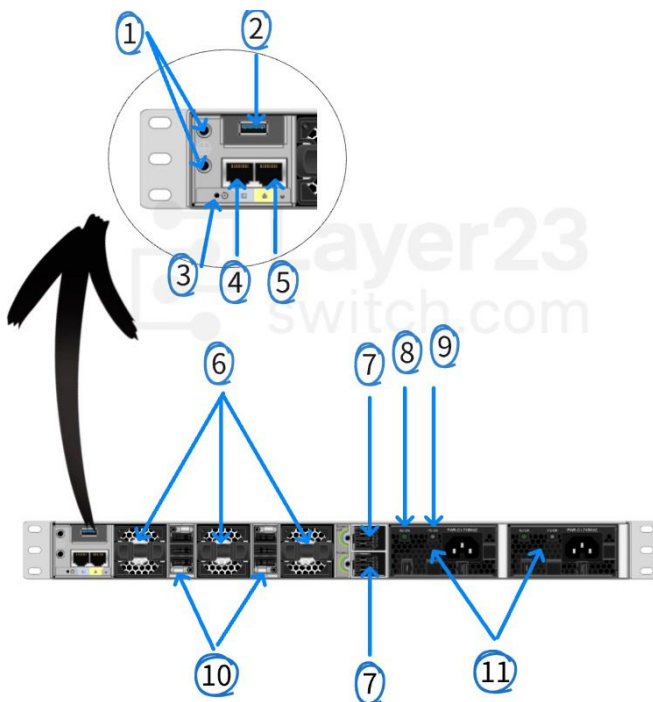|	
Downlink Ports	24 × 10/100/1000 BASE-T PoE+
PoE Budget	370 W initial (with 715 W AC PSU); 740 W max (with PWR-C6-600WAC)
Uplink Ports	4 × 1 Gbps SFP
Stack Bandwidth	80 Gbps (StackWise-80), up to 8 members
Default Power Supply	715 W AC integrated
DRAM / Flash	4 GB / 16 GB

Key Features

Product Comparison

Parameter	C9300L-24P-4G-A	C9300L-24P-4G-E	C9300L-24T-4G-A
Software License	Network Advantage	Network Essentials	Network Advantage
Downlink Ports	24 × 1 Gbps PoE+	24 × 1 Gbps PoE+	24 × 1 Gbps (no PoE)
PoE Budget (Initial)	370 W (715 W PSU) / 740 W max	370 W (715 W PSU) / 740 W max	N/A
Uplink Ports	4 × 1 Gbps SFP (fixed)	4 × 1 Gbps SFP (fixed)	4 × 1 Gbps SFP (fixed)
Switching Capacity	56 Gbps / 376 Gbps (stacked)	56 Gbps / 376 Gbps (stacked)	56 Gbps / 376 Gbps (stacked)
Forwarding Rate	41.66 Mpps / 279.76 Mpps (stacked)	41.66 Mpps / 279.76 Mpps (stacked)	41.66 Mpps / 279.76 Mpps (stacked)
Stack Bandwidth	80 Gbps	80 Gbps	80 Gbps
PoE Support	Yes (802.3at)	Yes (802.3at)	No

Switch Rear Panel

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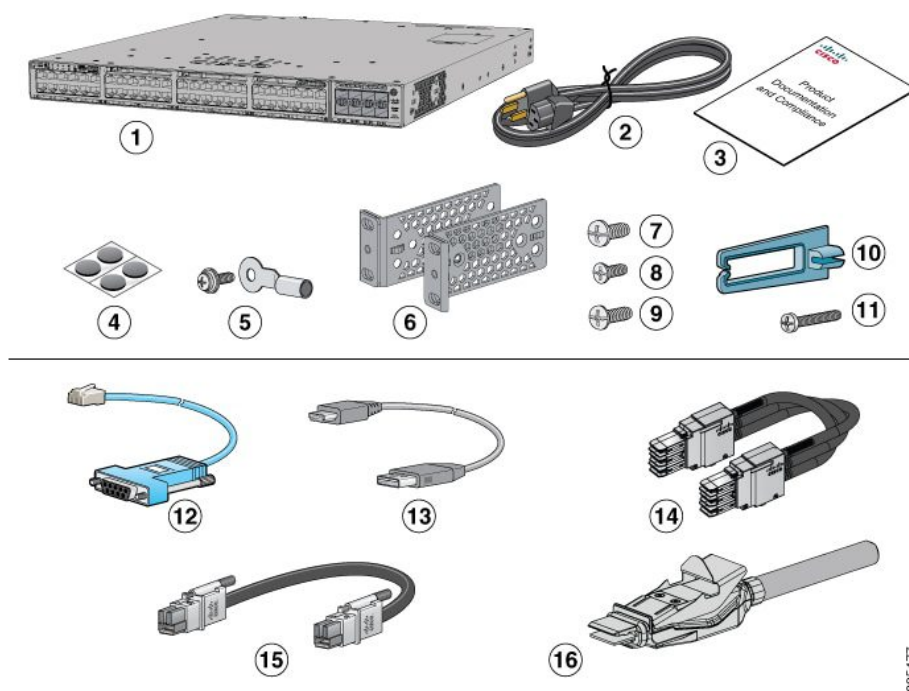
1	Ground connectors	7	StackPower connectors
2	USB3.0–SSD port	8	AC OK (input) status LED
3	BEACON LED	9	PS OK (output) status LED
4	CONSOLE (RJ-45 console port)	10	StackWise-480 port connectors
5	MGMT (RJ-45 10/100/1000 management port)	11	Power supply modules
6	Fan modules	–	–

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	C9300L-24P-4G-A	Product Type	Layer2/Layer3 Stackable Managed Switch
Downlink Ports	24×10/100/1000Mbps PoE+	Uplink Ports	4×1G SFP
Switching Capacity	104Gbps	Forwarding Rate	154.76Mpps
Stacking Bandwidth	320Gbps (StackWise-320)	Maximum Stacking Units	8
PoE Budget	505W	PoE Standard	IEEE802.3at (PoE+), up to 30W per port
Power Supply	715W AC (default)	Redundant Power	Supported (optional)
MAC Address Table	16000 entries	VLAN IDs	4094
Flash Memory	8GB	DRAM	4GB
Dimensions (H×W×D)	4.4×44.5×40.9cm	Weight	6.81kg
MTBF	346940 hours	Operating Temperature	0°C to 45°C
Cooling Fans	2 fixed	Airflow	Front-to-Back
Acoustic Noise	58.4 dB at 25°C	Relative Humidity	5% to 90% noncondensing
Max Power Consumption	601W (with PoE load)	Rack Units	1RU
Software License	Network Advantage	Management	Cisco IOS XE, CLI, Web UI, SNMP, Netconf, RESTCONF
IPv4 Routes	10000	SVIs	1000
ACL Scale	2000	QoS Scale	3000
Security Features	802.1X, DHCP Snooping, Dynamic ARP Inspection, MACsec (hardware ready)	Automation	Zero Touch Provisioning, NETCONF/YANG, REST APIs
Certifications	CE, UL, CSA, EAC, RoHS		

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