

C9300-24S-A DataSheet

Cisco Catalyst C9300-24S-A 24-port SFP enterprise switch with modular uplinks, StackWise-480, and secure Layer 3 performance. Ideal for scalable, secure networks.

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C9300-24S-A Description



The Cisco C9300-24S-A is a high-performance, fiber-based Layer 3 switch designed for enterprise access and aggregation. With 24 SFP (1G fiber) ports, it's built for environments that require secure, high-speed fiber connectivity—like campus networks, data centers, or high-security zones.

Model Meaning

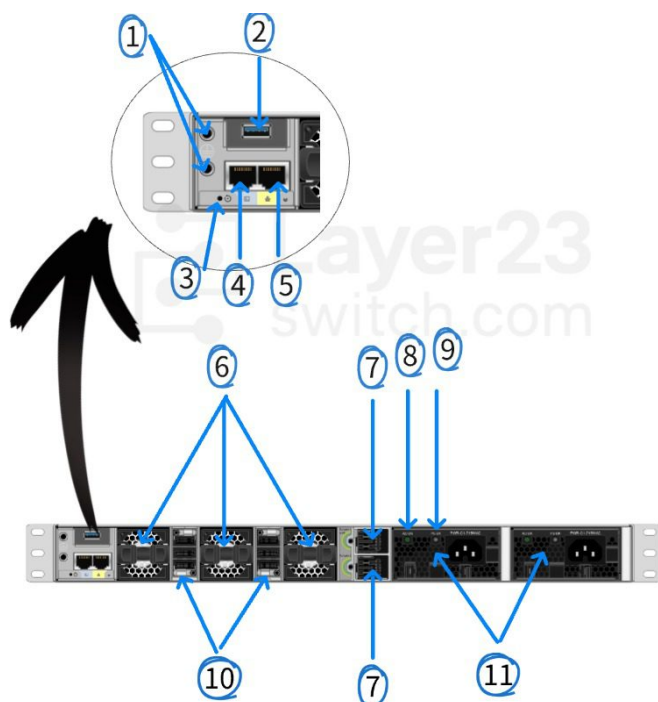
Part	Meaning	Description
C	Catalyst	Indicates Cisco's enterprise-class switching product line
9300	9300 Series	Modular, stackable Layer 3 enterprise access switches with advanced features
24	24 Ports	Provides 24 network ports
S	SFP Ports	All 24 ports are 1G fiber (SFP) ports, not RJ45
A	Network Advantage	Advanced software license with enhanced Layer 3 features (routing, security)

Key Features

C9300-24S-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	-	-



Product Comparison

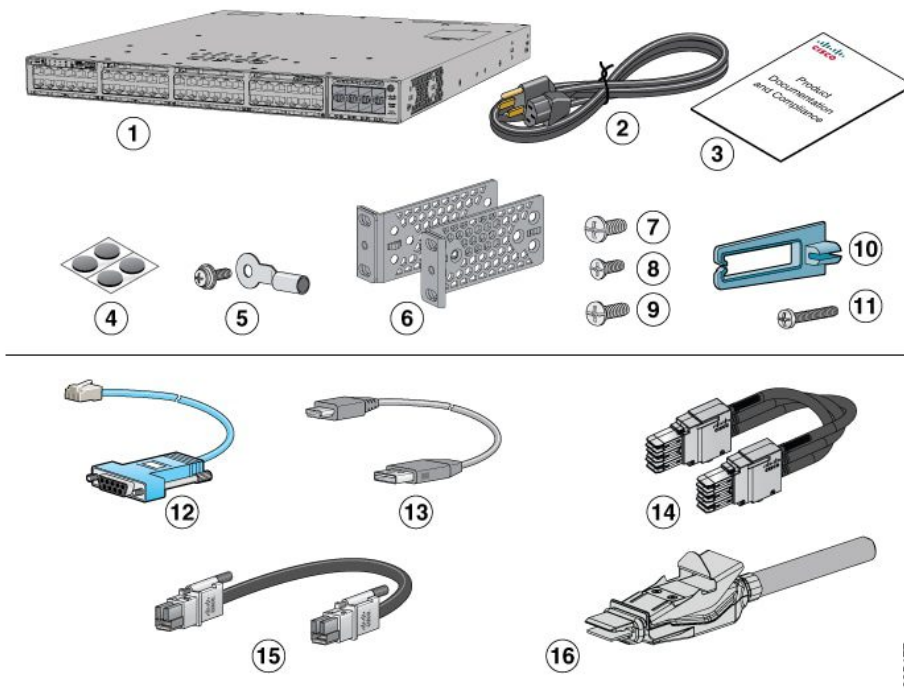
Feature	C9300-24S-A	C9300-24P-4X-A	C9300-24T-A
Port Type	24 × 1G SFP (fiber)	24 × 1G PoE+ (copper)	24 × 1G RJ-45 (copper)
PoE Support	No	Yes (PoE+)	No
Uplink Ports	Modular uplinks (sold separately)	4 × 10G SFP+ fixed uplinks (built-in)	Modular uplinks (sold separately)
Stacking Support	StackWise-480	StackWise-480	StackWise-480
Software License	Network Essentials (-A)	Network Essentials (-A)	Network Essentials (-A)
Ideal Use Case	Secure fiber access / aggregation	Powered edge devices (phones, APs, cameras)	Basic copper access without PoE
Deployment Type	Campus fiber edge / data center	Enterprise edge / PoE access switch	General enterprise copper connectivity

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	Cisco Catalyst C9300-24S-A
Total Ports	24 × 1G SFP fiber ports
Uplink Module	Modular uplink; supports modules like C9300-NM-4G, 4M, 8X, 2Y, 2Q
Default Power Supply	715W AC (PWR-C1-715WAC)
Redundant Power Supply	Supported (optional second PSU)
Switching Capacity	208 Gbps (standalone), 688 Gbps (with stacking)
Forwarding Rate	154.76 Mpps (Million packets per second)
Stacking Support	StackWise-480, up to 8 members

Specification	Details
Stacking Bandwidth	480 Gbps
MAC Addresses	32,000
IPv4 Routes	32,000 (24,000 direct, 8,000 indirect)
IPv6 Routes	16,000
Multicast Routes	8,000
QoS/ACL Scale	5,120 entries (QoS and ACL)
FNF (Flexible NetFlow)	128,000 flow entries
VLANs Supported	4,094
Jumbo Frames	9198 bytes
Dimensions (H x W x D)	1.73 x 17.5 x 19.2 in (4.4 x 44.5 x 48.8 cm)
Weight	7.64 lbs (3.47 kg)
Operating Temperature	-5°C to +45°C (long-term), up to 50°C (short-term)
Operating Humidity	5% to 90% noncondensing
MTBF (Mean Time Between Failures)	284,130 hours
Software	Cisco IOS XE, Network Essentials License
Management Interfaces	RJ-45 Console Port, USB 3.0, Ethernet Management Port
Compliance Standards	IEEE 802.3, 802.1D, 802.1Q, 802.3z, 802.3af, 802.3at

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