



## C9300X-12Y-A DataSheet

Cisco Catalyst C9300X-12Y-A: 12×25G/10G/1G SFP28 fiber, modular uplinks, 1 Tbps StackWise-1T, 744 Mpps; Network Advantage for advanced routing & security.

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### C9300X-12Y-A Description

The Cisco Catalyst C9300X-12Y-A is a high-density, data-only fiber access switch engineered for campus and data-center edge environments demanding ultra-high throughput, advanced routing, and robust security. It offers 12 multi-rate SFP28 fiber ports capable of 25 Gbps, 10 Gbps, or 1 Gbps, enabling seamless migration to higher-speed optics as network demands escalate. Four modular uplink slots accommodate any combination of C9300X network modules—such as the NM-8Y (8×25 G/10 G/1 G SFP), NM-2C (2×100 G/40 G QSFP), or NM-4C (4×100 G/40 G QSFP)—providing flexible aggregation or core connectivity without forklift upgrades.

### Key Features

### Product Comparison

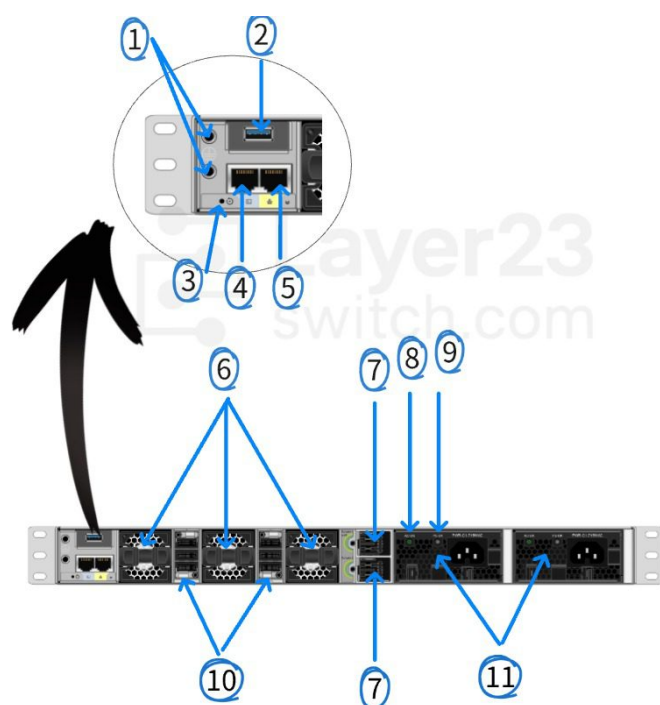
Parameter	C9300X-12Y-A	<a href="#">C9300X-12Y-E</a>	C9300X-24Y-A
Downlink Ports	12 × 25 G/10 G/1 G SFP28	12 × 25 G/10 G/1 G SFP28	24 × 25 G/10 G/1 G SFP28
Uplink Module Slots	4 modular (NM-8Y, NM-2C, NM-4C)	4 modular (NM-8Y, NM-2C, NM-4C)	4 modular (NM-8Y, NM-2C, NM-4C)

<b>Switching Capacity</b>	1,000 Gbps / 2,000 Gbps stacked	1,000 Gbps / 2,000 Gbps stacked	2,000 Gbps / 3,000 Gbps stacked
<b>Forwarding Rate</b>	744.04 Mpps / 1,488 Mpps stacked	744.04 Mpps / 1,488 Mpps stacked	1,488 Mpps / 2,232 Mpps stacked
<b>Stacking Bandwidth</b>	1 Tbps (StackWise-1T)	1 Tbps (StackWise-1T)	1 Tbps (StackWise-1T)
<b>Software Image</b>	Network Advantage ("A")	Network Essentials ("E")	Network Advantage ("A")

## C9300X-12Y-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	-	-

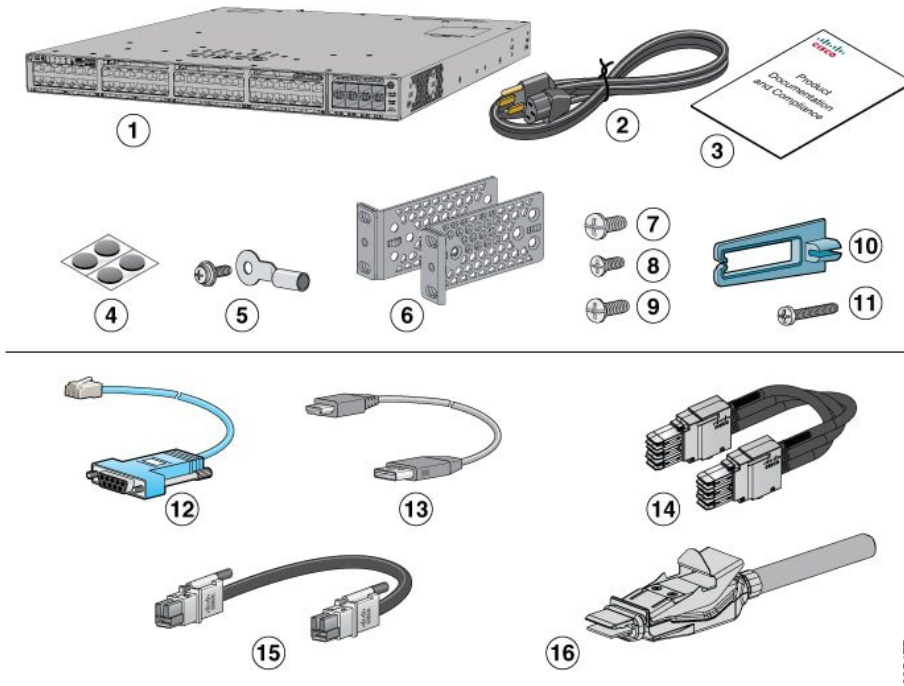


## Components Delivered in the Shipping Box

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 <sup>1</sup> (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
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## Specification

Parameter	Specification	Parameter	Specification
Model	C9300X-12Y-A	Chassis Dimensions (H x W x D) – chassis only	1.73" x 17.5" x 16.1"
Chassis Dimensions with default PSU	1.73" x 17.5" x 17.6"	Chassis Dimensions with 1100W PSU	1.73" x 17.5" x 19.2"
Weight (with default PSU)	15.0 lb (6.80 kg)	DRAM	16 GB
Flash Storage	16 GB	MAC Address Table	32,000 entries
IPv4 Routes	39,000 (24,000 direct + 15,000 indirect)	IPv6 Routing Entries	19,500 entries
Multicast Routing Scale	8,000 entries	QoS Scale Entries	4,000 entries
ACL Scale Entries	8,000 entries	Packet Buffer	16 MB
Flexible NetFlow Entries	64,000 flows	VLAN IDs	4,094
Total SVIs	1,000	Jumbo Frame Support	Up to 9,198 bytes

Parameter	Specification	Parameter	Specification
Switching Capacity	1,400 Gbps	Switching Capacity with Stacking	2,400 Gbps
Forwarding Rate	1,041 Mpps	Forwarding Rate with Stacking	1,785 Mpps
Downlink Ports	12 × 25G/10G/1G SFP28	Uplink Configuration	Modular uplinks
Default Power Supply	715W AC	Available PoE	No PoE support
MTBF	265,650 hours	Software License	Network Advantage

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