



C9300X-24HX-E DataSheet

Cisco C9300X-24HX-E: 24-port UPOE+ Multigigabit edge switch with 800 Gbps Switching, 100 G IPsec, StackWise-1T. Designed for enterprise IT pros.

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C9300X-24HX-E Description



The Cisco Catalyst 9300X-24HX-E is a stackable, enterprise-grade access switch engineered for high-density UPOE+ deployments and advanced edge security. Based on the UADP 2.0sec ASIC, it delivers up to 100 Gbps of hardware-based IPsec encryption to secure branch-to-cloud connectivity at line rate. Featuring 24 UPOE+ (90 W) Multigigabit ports optimized for Wi-Fi 6 access points, IoT endpoints, and power-hungry devices, this model supports 10G, 5G, 2.5G, 1G, and 100 Mbps speeds over existing Cat 5e/Cat 6 cabling. With 16 GB of DRAM, 16 GB of flash, and an x86 CPU complex capable of hosting performance-savvy container apps, the 9300X 24HX excels in application hosting—enabling virtualized services like Cisco ASAc firewall directly on the switch.

Quick Specs

Parameter	Value
Model	Cisco Catalyst 9300X-24HX-E
Downlink Ports	24 x 10G Multigigabit (10G/5G/2.5G/1G/100 Mbps), UPOE+
Modular Uplinks	Slots support 10G/25G/40G/100G optics

Switching Capacity	800 Gbps
Forwarding Rate	654.72 Mpps
Stacking Bandwidth	1 Tbps (StackWise-1T)
DRAM	16 GB
Flash Storage	16 GB
PoE Power (with 1100W)	735 W available PoE

Key Features

On-Box Application Hosting

x86 CPU complex with 16 GB DRAM and 16 GB flash supports containerized apps like Cisco ASAc firewall.

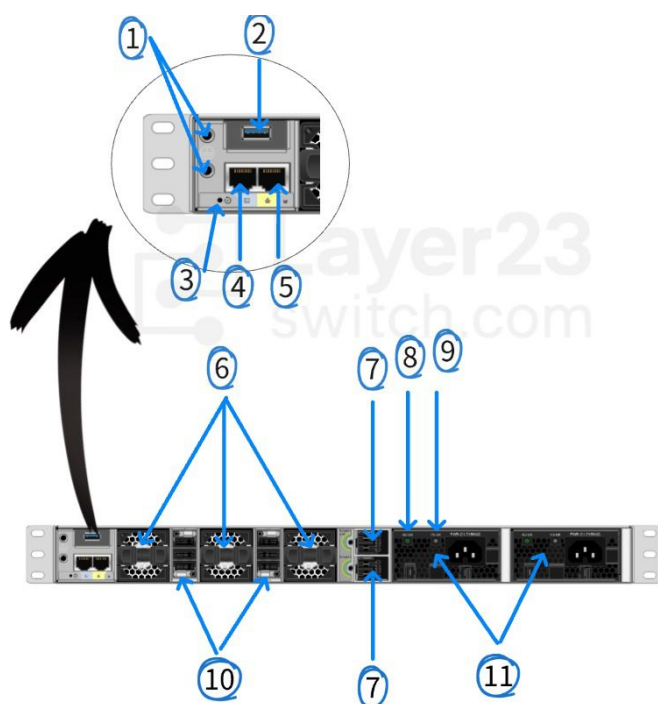
Product Comparison

Model	Downlink Ports	Uplink Options	Switching Capacity	Forwarding Rate	PoE Capability
C9300X-24HX-E	24 x 10G Multigigabit UPOE+	10G/25G/40G/100G modular	800 Gbps	654.72 Mpps	24 x 90 W UPOE+ (735 W)
C9300X-48HX-E	48 x 10G Multigigabit UPOE+	10G/25G/40G/100G modular	1,760 Gbps	1,309 Mpps	48 x 90 W UPOE+ (1,390 W)
C9300-24UX-E	24 x 5G/2.5G/1G/100 Mbps UPOE	10G/25G modular	640 Gbps	476.19 Mpps	24 x 60 W UPOE (560 W)

C9300X-24HX-E Switch Rear Panel

The switch rear panel includes StackWise connectors, StackPower or XPS connectors, ports, fan modules, and power supply modules.

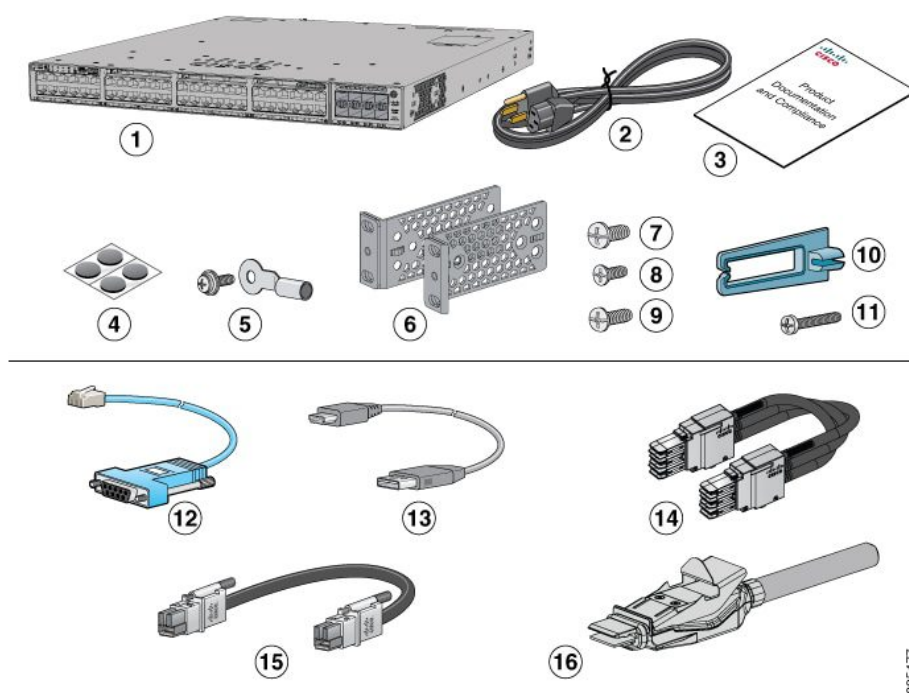
1	Ground connectors	7	StackPower connectors
2	USB3.0-SSD port	8	AC OK (input) status LED
3	BEACON LED	9	PS OK (output) status LED
4	CONSOLE (RJ-45 console port)	10	StackWise-480 port connectors
5	MGMT (RJ-45 10/100/1000 management port)	11	Power supply modules
6	Fan modules	-	-



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



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Specification

Parameter	Specification
Model	C9300X-24HX-E
Chassis Dimensions (H x W x D)	1.73" x 17.5" x 17.57" (4.4 cm x 44.5 cm x 44.6 cm)
Weight (with default power supply)	13.8 lb (6.25 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 Routes	19,500 entries
Multicast Routing Scale	8,000 entries
QoS Scale	4,000 entries
ACL Scale	8,000 entries
Packet Buffer	16 MB (for 24x10G Multigig and 12xSFP ports)
Flexible NetFlow (FNF) Entries	64,000 flows (24-port 10G Multigigabit)
VLAN IDs	4,094
Total SVIs	1,000
Jumbo Frame Support	Up to 9,198 bytes
Switching Capacity	800 Gbps
Forwarding Rate	654.72 Mpps
Stacking Bandwidth	1 Tbps (StackWise-1T)
Uplink Slots	Modular (supports 10G/25G/40G/100G optics)
Downlink Ports	24 x 10G Multigigabit (10G/5G/2.5G/1G/100 Mbps) with UPOE+
Power Supply (Default)	PWR-C1-1100WAC-P (1,100 W AC)
Available PoE Power (Default)	735 W total (supports up to 24x90 W UPOE+ ports)
MTBF	220,250 hours
Operating Temperature	-5 °C to +45 °C (up to 5,000 ft/1,500 m)
Storage Temperature	-40 °C to +70 °C
AC Input Voltage	100-240 VAC, 50-60 Hz

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