

C9300-24UX-A DataSheet



Cisco C9300-24UX-A — 24-port 10G multigigabit UPOE access switch with 640 Gbps throughput, StackWise-480, modular 40/25/10G uplinks and Network Advantage features for secure SD-Access edge (160 chars).

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C9300-24UX-A Description

Cisco Catalyst 9300-24UX-A is the flagship 24-port multigigabit model in the Catalyst 9300 family, purpose-built for high-density Wi-Fi 6/6E edge, smart-building PoE, and Software-Defined Access. Each downlink supports 100 M to 10 G speeds plus 60 W UPOE for converged data-power delivery, while the StackWise-480 architecture provides up to 1120 Gbps stack bandwidth for eight-switch fabrics. A field-replaceable network module lets you choose 1/10/25/40 G uplinks, protecting your investment as traffic requirements grow. Secure Boot, MACsec-256 and on-box ETA analytics guard the network, and the built-in x86 CPU with 16 GB flash is ready for containerised apps like ThousandEyes or ASA-c firewall.

Model Meaning

Component	Meaning
C	Cisco Catalyst series
9300	Next-generation enterprise access switch platform
24	24 downlink ports
U	Cisco UPOE power (up to 60 W per port)
X	Multigigabit downlinks (100 M / 1G / 2.5G / 5G / 10G)
-A	Network Advantage software license (advanced routing, segmentation, telemetry)

Key Features

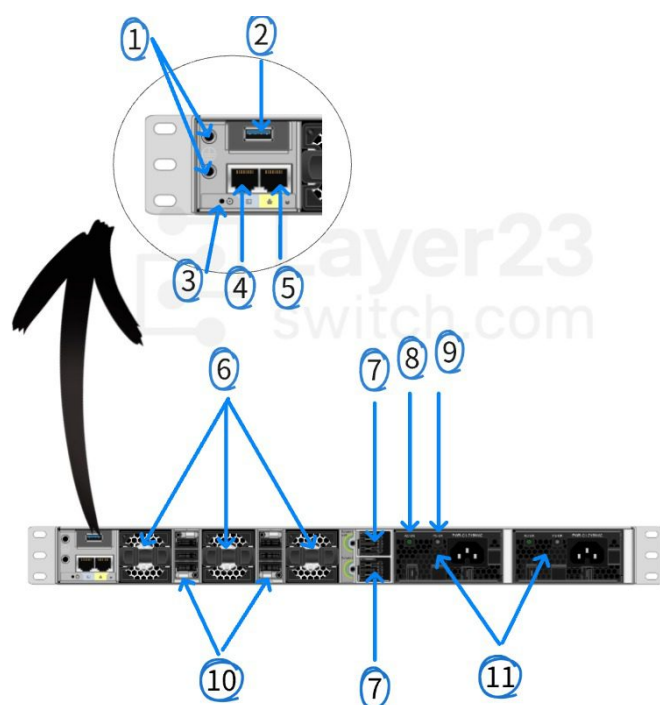
Product Comparison

Model	Switching capacity	Downlinks	PoE class	Default PSU
C9300-24UX-A	640 Gbps	24×10G UPOE	60 W	1100 W
C9300-24T-A	208 Gbps	24×1G data	–	350 W
C9300-48UXM-A	580 Gbps	36×2.5G + 12×10G UPOE	60 W	1100 W

C9300-24UX-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	–	–

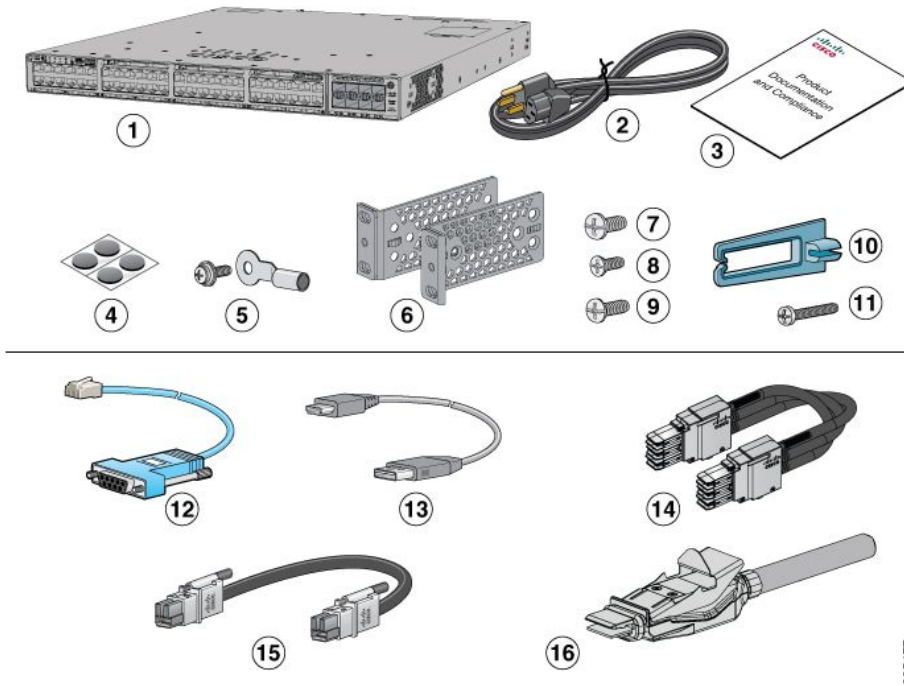


Components Delivered in the Shipping Box

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 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

Cisco Catalyst 9300-24UX-A Detailed Specs	
Series / Model	Catalyst 9300 / C9300-24UX
Software Image	Network Advantage (-A)
Switching Capacity	640 Gbps (non-blocking)
Stacking Bandwidth	480 Gbps per switch (StackWise-480)
Forwarding Rate	476.19 Mpps (64-byte IPv4)
Downlink Ports	24 × RJ-45 10G/5G/2.5G/1G/100M
PoE Standard	Cisco UPOE (IEEE 802.3bt Type 3, 60 W)
Maximum PoE Budget	1440 W with dual 1100 W PSUs
Uplink Module Slot	1 × field-replaceable (4×1G / 8×10G / 2×25G / 2×40G)
MAC Address Table	32,000 entries
IPv4 Routes	32,000 total (24k direct / 8k indirect)

Cisco Catalyst 9300-24UX-A Detailed Specs

IPv6 Routes	16,000
QoS Entries	5,120
ACL Entries	5,120
Packet Buffer	16 MB
DRAM / Flash	8 GB / 16 GB
External SSD	Optional USB 3.0 slot (up to 240 GB)
Fans	3 × field-replaceable, N + 1 redundant
Dimensions (H × W × D)	1.73 × 17.5 × 17.1 in (4.4 × 44.5 × 43.4 cm)
Weight (with PSU)	~18.18 lbs / 8.25 kg
Operating Temp.	-5 °C to +45 °C (sea level)
StackPower	Yes – 4-switch ring, 8-switch via XPS-2200
Secure Features	Secure Boot, SUDI, MACsec-256, ETA analytics
App Hosting	Container support, ThousandEyes & ASA-c

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