

C9300-24UXB-A DataSheet

Cisco C9300-24UXB-A—24-port 10 G mGig UPOE switch with 64 MB deep buffer, 640 Gbps fabric, StackWise-480 and Network Advantage for secure high-burst campus cores.



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C9300-24UXB-A Description

Cisco Catalyst 9300-24UXB-A is the flagship higher-scale multigigabit model with the Network Advantage feature set. Twenty-four 10 G/5 G/2.5 G/1 G/100 M RJ-45 ports deliver 60 W UPOE for Wi-Fi 6E APs, IoT sensors and LED lighting. A 64 MB deep packet buffer maintains zero-loss performance for 4K/8K media and micro-burst trading traffic while the non-blocking 640 Gbps switching fabric and 480 Gbps StackWise-480 links scale to 1.12 Tbps in an eight-member stack. With Network Advantage, the switch unlocks SD-Access segmentation, L3 routing, ETA encrypted-traffic analytics and API programmability—ideal for secure campus fabrics and edge compute workloads.

Model Meaning

Code	Meaning
C	Cisco Catalyst series
9300	Enterprise next-gen stackable access platform
24	24 copper downlink ports
U	Cisco UPOE power (60 W per port)
X	Multigigabit speed (100 M / 1G / 2.5G / 5G / 10G)

B	Higher-scale deep-buffer model (64 MB)
-A	Network Advantage software licence (full Layer-3, SD-Access, ETA)

Key Features

Product Comparison

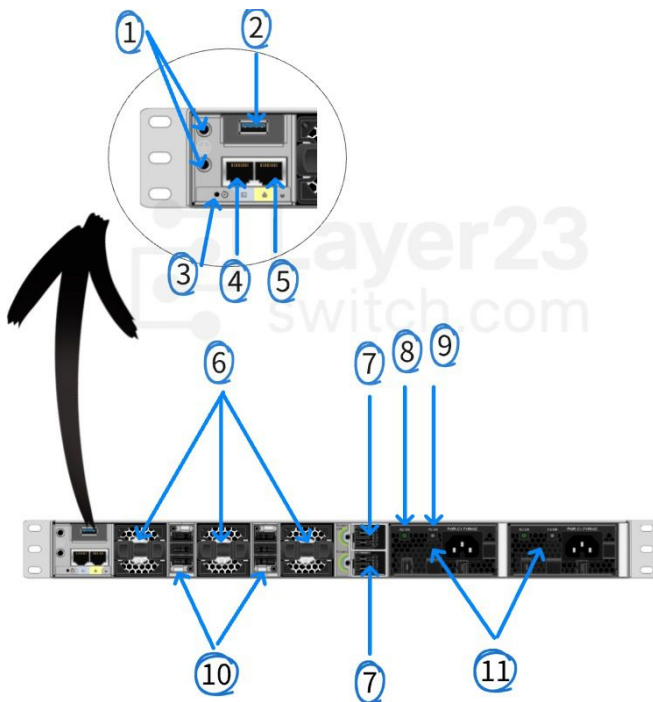
Parameter	C9300-24UXB-A (Deep-Buffer)	C9300-24UX-A (Standard)
Switching Capacity	640 Gbps (non-blocking)	640 Gbps (non-blocking)
Forwarding Rate	476.19 Mpps	476.19 Mpps
Packet Buffer Size	64 MB deep buffer	16 MB standard buffer
Downlink Interfaces	24 × RJ-45 mGig (100 M/1/2.5/5/10 G) UPOE 60 W	24 × RJ-45 mGig (100 M/1/2.5/5/10 G) UPOE 60 W
Uplink Module Bay	1 × Type-1 (4×1 G → 2×40 G) hot-swap	1 × Type-1 (4×1 G → 2×40 G) hot-swap
Stacking Bandwidth	480 Gbps (StackWise-480)	480 Gbps (StackWise-480)
Max PoE Budget (dual PSUs)	1 440 W	1 440 W
Default Power Supply	1 100 W AC (platinum)	1 100 W AC (platinum)
Software Licence	Network Advantage (-A)	Network Advantage (-A)
SD-Access / ETA Support	Yes (built-in)	Yes (built-in)
App-Hosting / Container Slot	Yes - x86 CPU + SSD option	Yes - x86 CPU + SSD option

C9300-24UXB-A Switch Rear Panel

The switch rear panel includes StackWise connectors, StackPower or XPS connectors,

ports, fan modules, and power supply modules.

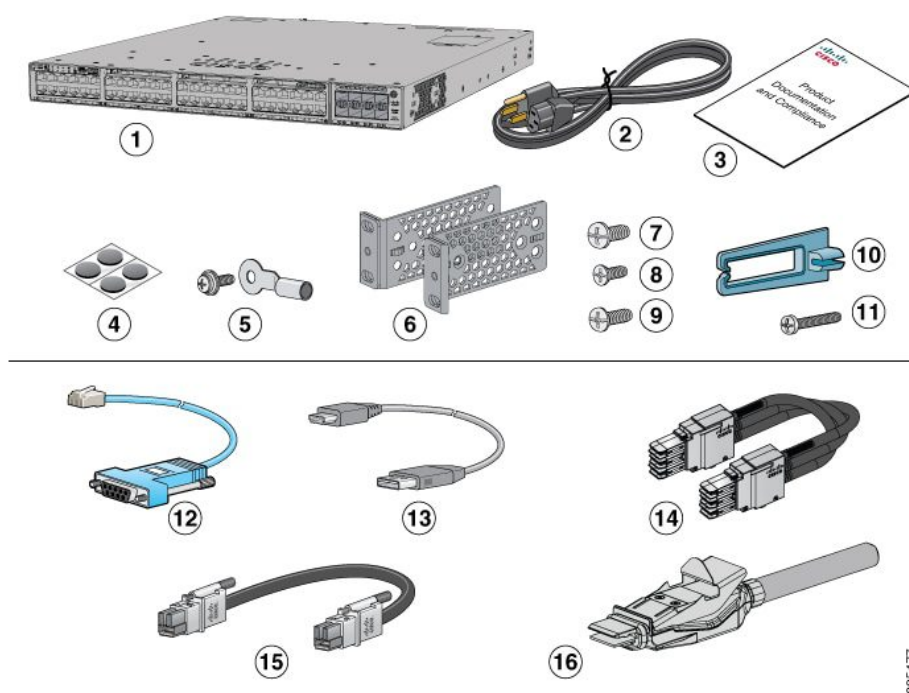
1	Ground connectors	7	StackPower connectors
2	USB3.0-SSD port	8	AC OK (input) status LED
3	BEACON LED	9	PS OK (output) status LED
4	CONSOLE (RJ-45 console port)	10	StackWise-480 port connectors
5	MGMT (RJ-45 10/100/1000 management port)	11	Power supply modules
6	Fan modules	-	-



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 9300-24UXB-A Detailed Specs

Model SKU	C9300-24UXB-A
Software Image	Network Advantage (-A)
Switching Capacity	640 Gbps
Forwarding Rate	476.19 Mpps
Stacking Bandwidth	480 Gbps StackWise-480
Downlink Interfaces	24 × mGig RJ-45 (10G/5G/2.5G/1G/100M)
PoE Standard	Cisco UPOE 60 W per port
Max PoE Budget	1440 W with dual PSUs
Uplink Module Bay	1 × Type-1 (4×1G → 2×40G)
Packet Buffer	64 MB deep buffer
FNF Entries	Up to 256,000 flows
MAC Address Table	64,000 entries
IPv4 Routes	112,000 total
IPv6 Routes	56,000
ACL Entries	18,000
QoS Entries	18,000
DRAM / Flash	8 GB / 16 GB
Dimensions (H × W × D)	1.73 × 17.5 × 17.1 in (chassis)
Weight	18.18 lb / 8.25 kg
Operating Temp.	-5 °C to +45 °C
StackPower Support	Yes - 4-switch ring

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