



C9300-24UB-A DataSheet

Cisco C9300-24UB-A switch with 24 UPOE ports, modular uplinks, Network Advantage license & 480 Gbps stacking.

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C9300-24UB-A Description

The Cisco Catalyst C9300-24UB-A is a next-generation enterprise-class switch featuring 24 UPOE-capable ports and modular uplink options. It is built for scalability, high security, and powerful Layer 3 performance with the Network Advantage license. Supporting up to 60W per port, this model is ideal for powering IP phones, cameras, and access points. With StackWise-480 technology, 480 Gbps of stacking bandwidth, and advanced features such as OSPF, BGP, VXLAN, and MACsec, it is the go-to solution for high-demand access layer deployments in enterprise networks.

Model Meaning

Component	Meaning
C9300	Cisco Catalyst 9300 Series – modular, stackable enterprise access switch.
24	24 Gigabit Ethernet downlink ports.
U	Supports UPOE (Universal Power over Ethernet), up to 60W per port.
B	Indicates enhanced packet buffering , suitable for high-throughput or bursty traffic environments.
A	Runs the Network Advantage feature set – includes advanced Layer 3 capabilities like BGP, EIGRP, MPLS.

Key Features

Advanced Layer 3 Features with Network Advantage License

Supports advanced routing protocols such as OSPF, BGP, and VXLAN, providing greater flexibility and scalability for large networks.

Comprehensive Security Features

Built-in security features including MACsec encryption, hardware-based security policies, and secure boot for protection against unauthorized access.

Product Comparison

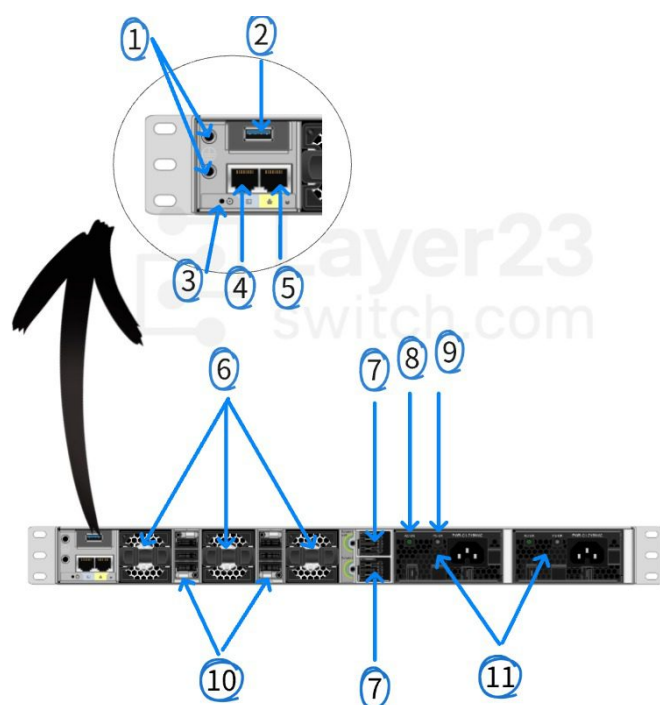
Feature	C9300-24UB-A	C9300-48H-A	C9300-24U-A
Port Count	24 x 10/100/1000 UPOE RJ-45 ports	48 x 10/100/1000 UPOE RJ-45 ports	24 x 1G UPOE RJ-45 ports
PoE Support	Cisco UPOE (60W per port)	Cisco UPOE+ (90W per port)	Cisco UPOE (60W per port)
Power Supply	1100W AC (upgradable to 1440W with second PSU)	1100W AC (upgradable to 1440W with second PSU)	715W AC (upgradable to 1100W with second PSU)
Uplink Options	Modular uplinks (1G/10G/25G/40G)	Modular uplinks (1G/10G/25G/40G)	Modular uplinks (1G/10G)
Layer 3 Features	OSPF, BGP, VXLAN, VRF-Lite, Policy-based Routing	OSPF, BGP, VXLAN, VRF-Lite, Policy-based Routing	Basic Layer 2+ with static routing and limited Layer 3
Stacking	StackWise-480, up to 8 switches	StackWise-480, up to 8 switches	StackWise-320, up to 8 switches

Forwarding Rate	154.76 Mpps	190.48 Mpps	154.76 Mpps
Target Deployment	High-demand, secure access layer with advanced routing	High-density access layer with PoE+ for high-power devices	Simple access layer with 1G UPOE for smaller deployments

C9300-24UB-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	-	-

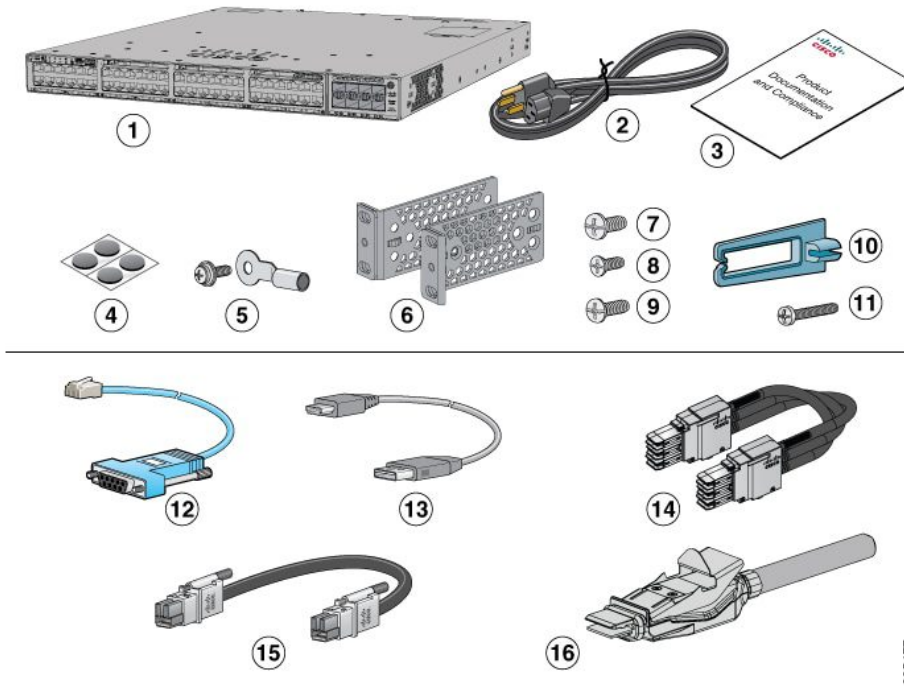


Components Delivered in the Shipping Box

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

Specification	Details
Model	C9300-24UB-E
Port Count	24 x 10/100/1000 UPOE RJ-45 ports
Uplink Module	Modular uplink slots (supports 1G/10G/25G/40G modules)
Stacking Bandwidth	480 Gbps (StackWise-480)
Forwarding Rate	154.76 Mpps
Switching Capacity	208 Gbps
PoE Capability	Supports Cisco UPOE (60W per port)
Default Power Supply	1100W AC
Maximum PoE Budget	1440W with dual power supplies
Stacking Support	Up to 8 switches
Software Image	Network Essentials (E License)

Specification	Details
MAC Address Table	32,000 entries
VLAN IDs	Up to 4094
DRAM / Flash	8 GB / 16 GB
Management	Web UI, CLI, Cisco DNA Center, Meraki Dashboard (optional)
Dimensions (H x W x D)	1.73 x 17.5 x 19.2 inches (44 x 445 x 488 mm)
Weight	7.54 kg (with default power supply)
Operating Temperature	-5°C to 45°C
Redundancy	Dual redundant power supplies, 3 field-replaceable fans

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