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C9300-48UB-A DataSheet

Cisco C9300-48UB-A—48 × 1 Gb UPOE switch with 256 Gbps fabric, 64 MB buffer, 10 Gb/25 Gb uplinks, StackWise-480, Network Advantage for enterprise access.

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C9300-48UB-A Description

C9300-48UB-A is a feature-rich access switch with 48 × 1 Gb UPOE ports (60 W per port) and 10 Gb / 25 Gb uplinks for high-speed aggregation. It features a 256 Gbps non-blocking switching fabric, ensuring smooth forwarding at 190.48 Mpps, even under full PoE load. The 64 MB packet buffer enhances performance during traffic bursts, reducing packet loss in environments with high congestion or large file transfers. StackWise-480 enables up to eight switches to operate as a single unit with 736 Gbps total stack bandwidth and sub-50 ms fail-over. The Network Advantage license unlocks advanced Layer 3 routing, SD-Access micro-segmentation, and Encrypted Traffic Analytics (ETA). Dual 1100 W AC power supplies provide up to 445 W PoE budget to power demanding devices, while redundant fans ensure reliable cooling.

Quick Specs

C9300-48UB-A	Specification
Switching capacity	256 Gbps non-blocking; 736 Gbps (stacked)
Forwarding rate	190.48 Mpps; 547.62 Mpps (stacked)
Downlink ports	48 × 10/100/1000 Mb RJ-45 UPOE (60 W/port)
Uplink ports	2 × 10 Gb / 25 Gb SFP+ fixed uplinks
Stacking	StackWise-480: 480 Gbps per switch; up to 8 members; < 50 ms fail-over

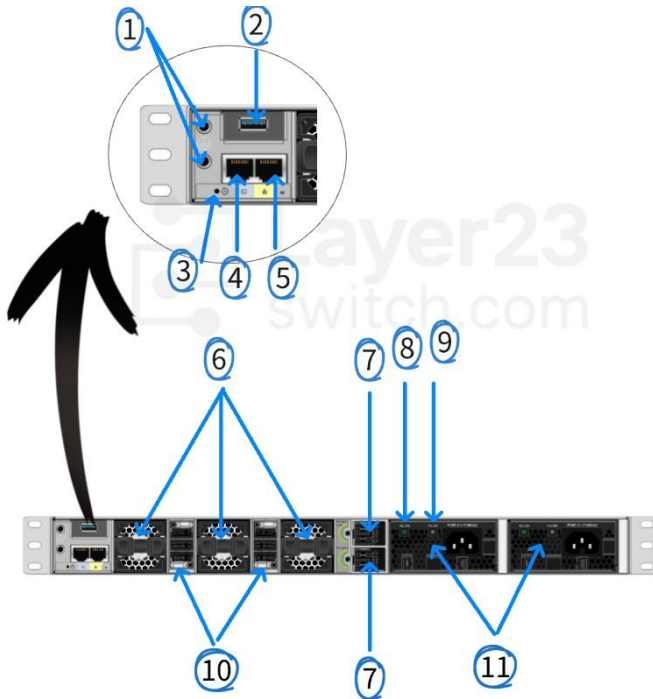|	
Default PSU / PoE budget	1100 W AC (platinum) / up to 445 W PoE
DRAM / Flash	8 GB / 16 GB
Software license	Network Advantage (–A)

Key Features

Product Comparison

Parameter	C9300-48UB-A	C9300-48P-A	C9300-48UXM-A
Switching capacity	256 Gbps (736 Gbps stacked)	256 Gbps (736 Gbps stacked)	580 Gbps (1.12 Tbps stacked)
Forwarding rate	190.48 Mpps (547.62 Mpps stacked)	190.48 Mpps (547.62 Mpps stacked)	428.57 Mpps (833 Mpps stacked)
Downlink interfaces	48 × 1 Gb UPOE (60 W)	48 × 1 Gb PoE+ (30 W)	36 × 2.5 Gb + 12 × 10 Gb UPOE (60 W)
Uplink ports	2 × 10 Gb / 25 Gb SFP+ fixed	4 × 1 Gb SFP	4 × 10 Gb / 1 Gb SFP+
Packet buffer size	64 MB	16 MB	16 MB
PoE budget	445 W	1440 W	1440 W
Software license	Network Advantage (–A)	Network Advantage (–A)	Network Advantage (–A)

C9300-48UB-A Switch Rear Panel

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

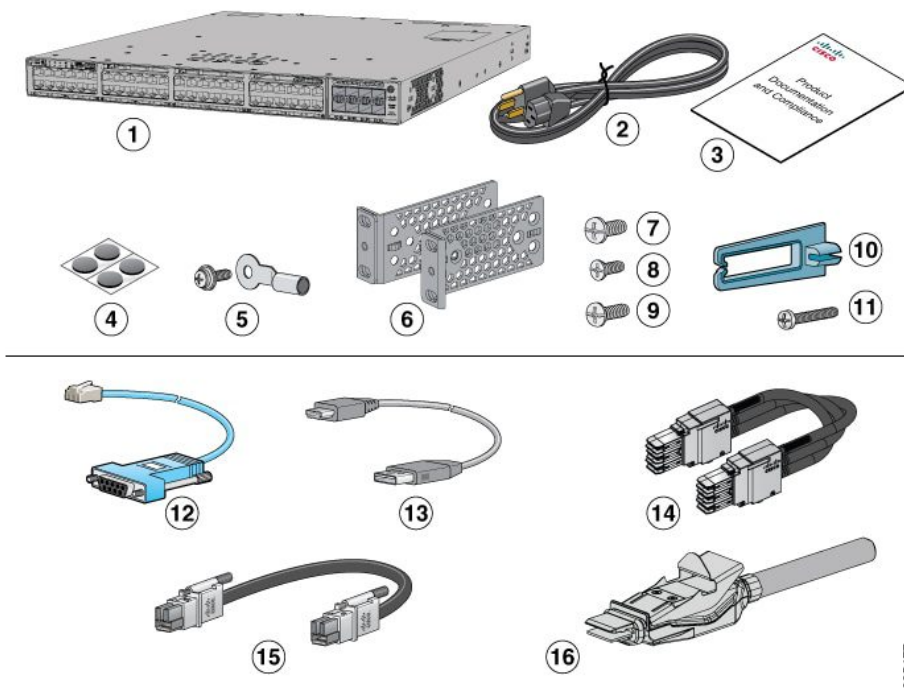| 1	Ground connectors	7	StackPower connectors
2	USB3.0–SSD port	8	AC OK (input) status LED
3	BEACON LED	9	PS OK (output) status LED
4	CONSOLE (RJ-45 console port)	10	StackWise-480 port connectors
5	MGMT (RJ-45 10/100/1000 management port)	11	Power supply modules
6	Fan modules	–	–

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

Specification

Cisco Catalyst 9300-48UB-A Detailed Specifications	
Model SKU	C9300-48UB-A
Software Image	Network Advantage (–A)
Switching Capacity	256 Gbps (non-blocking)

Cisco Catalyst 9300-48UB-A Detailed Specifications

Forwarding Rate	190.48 Mpps (64-byte IPv4)
Stacking Bandwidth	480 Gbps per switch; 736 Gbps end-to-end
Max Stack Members	8
Downlink Interfaces	48 × RJ-45 10/100/1000 Mb PoE+ (IEEE 802.3at, 60 W/port)
Uplink Ports	2 × QSFP+ 40 Gb (fixed)
Packet Buffer	64 MB shared buffer
DRAM / Flash	8 GB / 16 GB
IPv4 Routes (total)	16,000
IPv6 Routes (total)	16,000
QoS Entries	5,120
ACL Entries	5,120
VLAN IDs	4,094
MAC Address Table	32,000 entries
External SSD	Optional USB 3.0 SSD slot (up to 240 GB)
Fans	3 × field-replaceable, N+1 redundant
Default PSU	1100 W AC (platinum)
Max PoE Budget	445 W (with dual 1100 W PSUs)
Dimensions (H × W × D)	1.73 × 17.5 × 19.2 in (4.4 × 44.5 × 48.8 cm)
Weight (with PSU)	17.03 lb / 7.72 kg
Operating Temperature	–5 °C to +45 °C (sea level)
Security Features	Secure Boot, Trust Anchor SUDI, MACsec AES-256
App Hosting	Container support (ThousandEyes, ASA-C)
SD-Access	Group-based policy, on-box automation, fabric segmentation

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