



C9300-48U-E DataSheet

Cisco C9300-48U-E — 48-port 1 GbE UPOE switch with 822 W PoE budget, 256 Gbps fabric, modular 40 G uplinks & StackWise-480; perfect for power-hungry campus edges (158 chars).

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C9300-48U-E Description



The Cisco Catalyst C9300-48U-E brings full 60 W UPOE power to every one of its forty-eight 1 GbE ports, delivering up to 822 W of usable budget from the default 1100 W platinum PSUCisco Switch. A non-blocking 256 Gbps switching fabric with 190 Mpps forwarding keeps high-density edge traffic flowing, and a hot-swap Type-1 network-module bay supports 1/10/25/40 G uplinks for investment protection. StackWise-480 links unite up to eight C9300 switches into a single virtual chassis with 480 Gbps stack bandwidth and <50 ms fail-over, while Cisco StackPower lets you pool spare wattage across four switches for N+1 resiliency. Network Essentials unlocks Layer-3 routing, API automation and entry-level SD-Access segmentation.

Quick Specs

Code	Meaning
C	Cisco Catalyst series

9300	Enterprise next-gen stackable access platform
48	48 copper downlink ports
U	Cisco UPOE – up to 60 W per port
-E	<i>Network Essentials</i> software image

Key Features

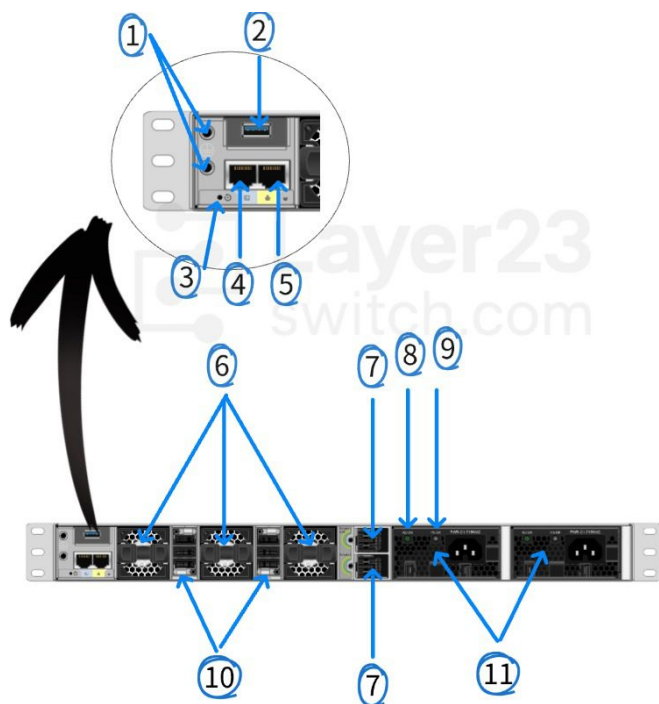
Product Comparison

Parameter	C9300-48U-E	C9300-48P-E	C9300-48T-E
Switching Capacity	256 Gbps	256 Gbps	256 Gbps
Forwarding Rate	190.48 Mpps	190.48 Mpps	190.47 Mpps
Downlink Ports	48 × 1 G RJ-45 UPOE 60 W	48 × 1 G RJ-45 PoE+ 30 W	48 × 1 G RJ-45 data-only
PoE Budget (Default PSU)	822 W (1100 W PSU)	740 W (715 W PSU)	— (no PoE)
Packet Buffer	16 MB	16 MB	16 MB
Uplink Module Slot	1 × Type-1 (4×1 G ► 2×40 G)	Same as U-E	Same as U-E
Stacking Bandwidth	480 Gbps (StackWise-480)	Same	Same
StackPower Support	Yes – 4-switch ring	Yes	Yes
Default PSU	1100 W AC platinum	715 W AC platinum	350 W AC platinum
Software License	Network Essentials (-E)	Network Essentials (-E)	Network Essentials (-E)

C9300-48U-E Switch Rear Panel

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

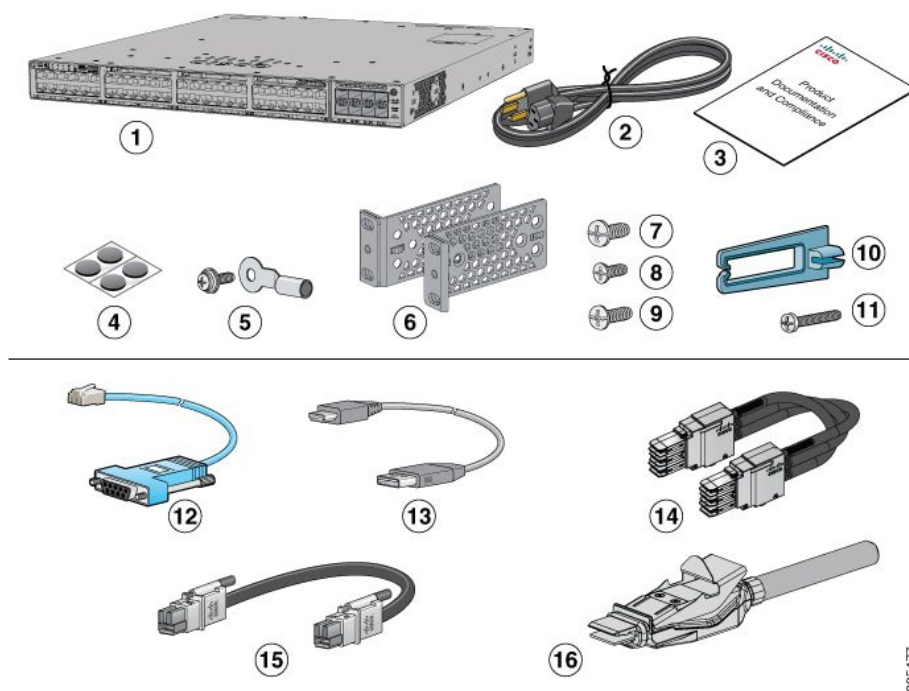
1	Ground connectors	7	StackPower connectors
2	USB3.0-SSD port	8	AC OK (input) status LED
3	BEACON LED	9	PS OK (output) status LED
4	CONSOLE (RJ-45 console port)	10	StackWise-480 port connectors
5	MGMT (RJ-45 10/100/1000 management port)	11	Power supply modules
6	Fan modules	-	-



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

Cisco Catalyst 9300-48U-E Detailed Specifications

Model SKU	C9300-48U-E
Software Image	Network Essentials (-E)
Switching Capacity	256 Gbps (non-blocking)
Forwarding Rate	190.48 Mpps
Stacking Bandwidth	480 Gbps (StackWise-480)
Downlink Ports	48 × 1G RJ-45, Cisco UPOE 60 W
Maximum PoE Budget	822 W with default PSU
Uplink Module Slot	1 × Type-1 (4×1G / 8×10G / 2×25G / 2×40G)
Packet Buffer	16 MB
MAC Addresses	32,000 entries
IPv4 Routes	32,000 total (24k direct)
IPv6 Routes	16,000
ACL Entries	5,120
QoS Entries	5,120
Flexible NetFlow	64,000 flows
DRAM / Flash	8 GB / 16 GB
External Storage	USB 3.0 SSD slot (up to 240 GB)
Fans	3 × FRU, N+1 redundant
Dimensions (H × W × D)	1.73 × 17.5 × 16.1 in
Weight (with PSU)	17.03 lb / 7.72 kg
Operating Temperature	-5 °C to +45 °C
StackPower	Yes – 4-switch ring, 8 via XPS-2200
App Hosting	ThousandEyes, ASA-c (license upgrade)

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