

C9300-48T-E DataSheet



Cisco C9300-48T-E: 48-port 1 GbE data-only switch with 256 Gbps fabric, modular 40 G uplinks and StackWise-480—ideal for high-density wired campus access.

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C9300-48T-E Description

The Cisco Catalyst C9300-48T-E delivers high-density 1 GbE access without the overhead of PoE, making it perfect for cost-sensitive wiring closets where endpoints simply need fast, secure data. A non-blocking 256 Gbps switching fabric with 190 Mpps forwarding keeps traffic flowing, while a field-replaceable Type-1 uplink bay supports 1 G, 10 G, 25 G or 40 G modules—so the edge can scale as the campus core evolves. StackWise-480 technology unites up to eight switches under one control plane with 480 Gbps stack bandwidth, and IOS-XE Network Essentials provides Layer-3 routing, automation APIs and Software-Defined Access entry-level segmentation.

Quick Specs

Code	Meaning
C	Cisco Catalyst series
9300	Enterprise next-generation stackable access platform
48	48 copper downlink ports
T	Data-only 10/100/1000 BASE-T (no PoE)
-E	<i>Network Essentials</i> software image

Key Features

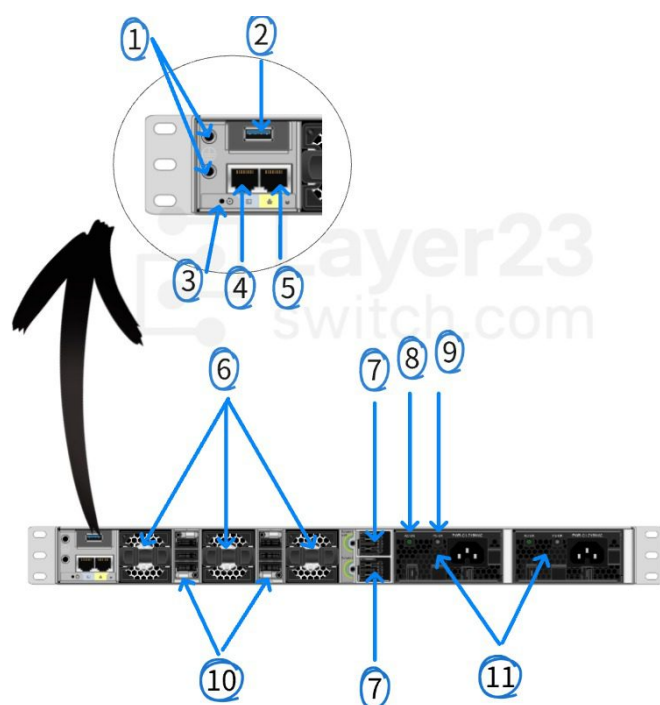
Product Comparison

Parameter	C9300-48T-E	C9300-24T-E	C9300-48P-E
Switching capacity	256 Gbps	208 Gbps	256 Gbps
Ports	48 × 1 G data	24 × 1 G data	48 × 1 G PoE+
PoE budget	N/A	N/A	740 W default
Packet buffer	16 MB	16 MB	16 MB
Default PSU	350 W AC	350 W AC	715 W AC

C9300-48T-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	-	-

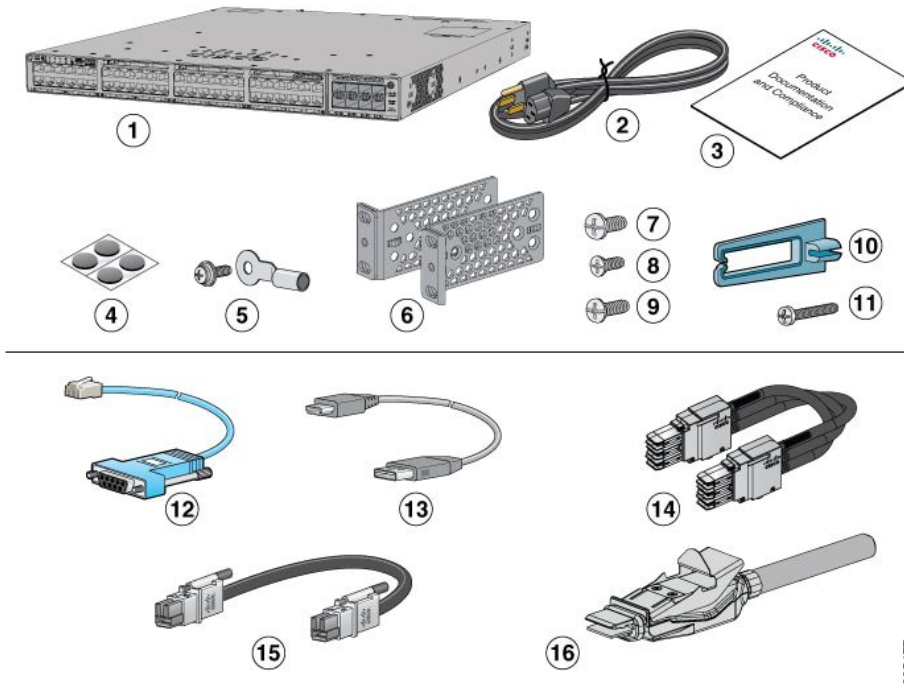


Components Delivered in the Shipping Box

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 9300-48T-E Detailed Specifications	
SKU	C9300-48T-E
Software Image	Network Essentials (-E)
Switching Capacity	256 Gbps (non-blocking)
Forwarding Rate	190.47 Mpps
Stacking Bandwidth	480 Gbps (StackWise-480)
Downlink Interfaces	48 × 1G BASE-T (data only)
Uplink Module Slot	1 × Type-1 (4×1G / 8×10G / 2×25G / 2×40G)
Packet Buffer	16 MB
MAC Address Table	64,000 entries
IPv4 Routes	64,000 total
IPv6 Routes	16,000

Cisco Catalyst 9300-48T-E Detailed Specifications

QoS Entries	5,120
ACL 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)
Default Power Supply	350 W AC (platinum)
Redundant PSUs	Optional 350 W / 715 W / 1100 W
Fan Modules	3 × FRU, N + 1 redundant
Dimensions (H × W × D)	1.73 × 17.5 × 16.1 in (4.4 × 44.5 × 40.9 cm)
Weight (with PSU)	16.43 lb / 7.45 kg
Operating Temperature	-5 °C to +45 °C

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