

C9300-48T-A DataSheet



Cisco C9300-48T-A—48-port 1 GbE data switch with 256 Gbps fabric, StackWise-480, modular 40/25/10 G uplinks, advanced Network Advantage features for secure campus core.

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C9300-48T-A Description

Cisco Catalyst 9300-48T-A is the high-performance 48-port data-only member of the Catalyst 9300 family. It delivers 256 Gbps non-blocking switching and 190 Mpps forwarding at Layer 2/3, backed by 480 Gbps StackWise-480 stacking for campus-wide scalability. All downlinks are 10/100/1000 RJ-45, ideal for dense wired endpoints where PoE is not required, while a field-replaceable network-module bay accepts 1G, 10G, 25G or 40G uplinks to future-proof your backbone. With Network Advantage you gain full routing, SD-Access fabric, ETA encryption analytics, and programmability APIs—all in a 1RU chassis that draws just a 350 W AC PSU.

Quick Specs

C9300-48T-A	Value
Switching Capacity	256 Gbps
Forwarding Rate	190.47 Mpps
Downlink Ports	48× RJ-45 10/100/1000 (data)
Uplink Slot	1× Type-1 network module
Packet Buffer	16 MB
Default Power Supply	350 W AC

Stacking	StackWise-480, 480 Gbps
Software License	Network Advantage

Key Features

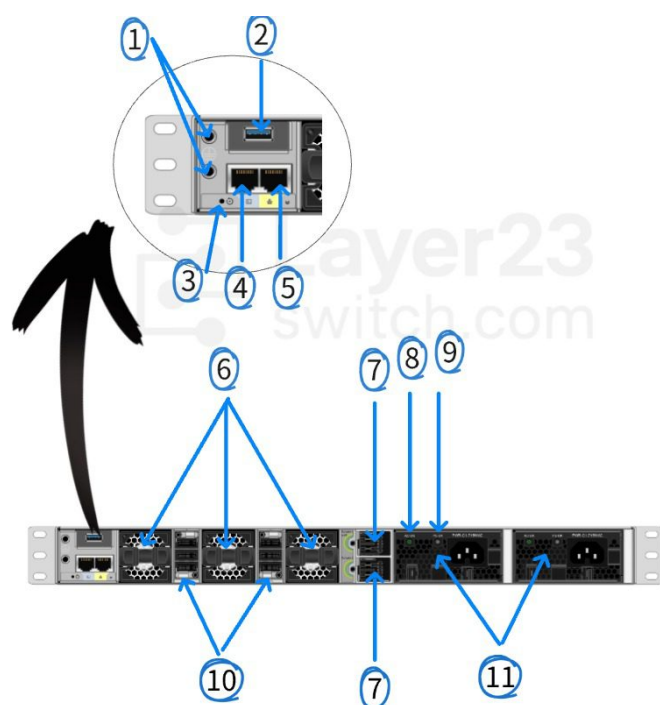
Product Comparison

Parameter	C9300-48T-A	C9300-48P-A	C9300-48U-A
Switching Capacity	256 Gbps	256 Gbps	256 Gbps
Ports	48× 1G data	48× 1G PoE+	48× 1G UPOE
PoE Budget	N/A	740 W (dual PSU)	1440 W (dual PSU)
Default PSU	350 W	715 W	1100 W

C9300-48T-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	-	-

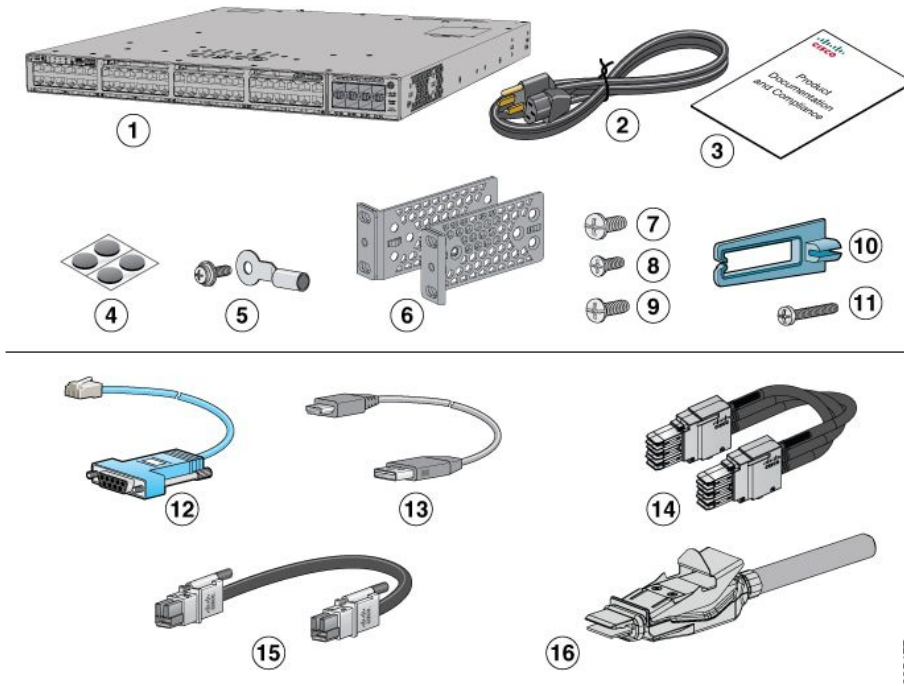


Components Delivered in the Shipping Box

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 9300-48T-A	
Model SKU	C9300-48T-A
Software Image	Network Advantage
Switching Capacity	256 Gbps
Forwarding Rate	190.47 Mpps
Stacking Bandwidth	480 Gbps (StackWise-480)
Downlink Ports	48 × 10/100/1000 RJ-45 (data only)
Uplink Module Slot	1 × Type-1 (4×1G → 2×40G)
Packet Buffer	16 MB
MAC Table	64,000 addresses
IPv4 Routes (total)	32,000
IPv6 Routes	16,000

Cisco Catalyst 9300-48T-A	
QoS Entries	5,120
ACL Entries	5,120
DRAM / Flash	8 GB / 16 GB
External Storage	USB 3.0 SSD slot (120/240 GB)
Default Power Supply	350 W AC
Redundant PSU Option	350 W / 715 W / 1100 W AC
Fans	3 × field-replaceable, N+1
Dimensions (H×W×D)	1.73 × 17.5 × 17.7 in
Weight (with PSU)	16.43 lb / 7.45 kg
Operating Temperature	-5 °C to +45 °C
Jumbo Frames	9,198 bytes
StackPower	Supported (power pooling of four)

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