



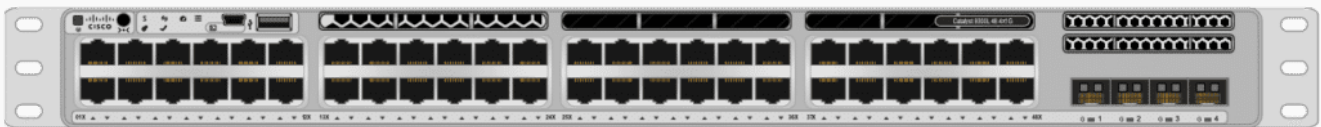
C9300L-48T-4G-E DataSheet

C9300L-48T-4G-E: 48×1G data ports, 4×1G SFP uplinks, 320 Gbps stacking, Cisco IOS XE Essentials; optimal for data-only campus access deployments.

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C9300L-48T-4G-E Description



The Cisco Catalyst 9300L-48T-4G-E is a high-performance enterprise access switch tailored for data-only campus or branch deployments. It features 48 Gigabit Ethernet copper ports (non-PoE) and four fixed 1 Gbps SFP uplink ports. Running Cisco IOS XE with the Network Essentials license, it supports wire-speed Layer 2 switching and basic Layer 3 static/RIP routing, hardware-based ACLs, and QoS. StackWise-320 technology delivers up to 320 Gbps of stacking bandwidth across up to eight switches, enabling a unified control plane and simplified management. The integrated 350 W AC power supply and three field-replaceable fans ensure reliability. Management is available via on-box CLI/WebUI or Cisco DNA Center for centralized policy automation. Ideal for large-scale data deployments where PoE is not required, the C9300L-48T-4G-E combines robust throughput, security, and programmability.

Quick Specs

Parameter	Specification
Model	C9300L-48T-4G-E
Switching Capacity	104 Gbps (standalone); 424 Gbps (8-member StackWise-320)
Forwarding Rate	77.38 Mpps (standalone); 315.48 Mpps (stacked)

Downlink Ports	48 × 1 Gbps RJ-45 (data only, non-PoE)
Uplink Ports	4 × 1 Gbps SFP fixed
Stacking Bandwidth	320 Gbps (StackWise-320)
Memory / Flash	8 GB DRAM; 16 GB flash
Primary PSU	Integrated 350 W AC
Fans	3 × field-replaceable (N+1 redundant)
License	Network Essentials

Key Features

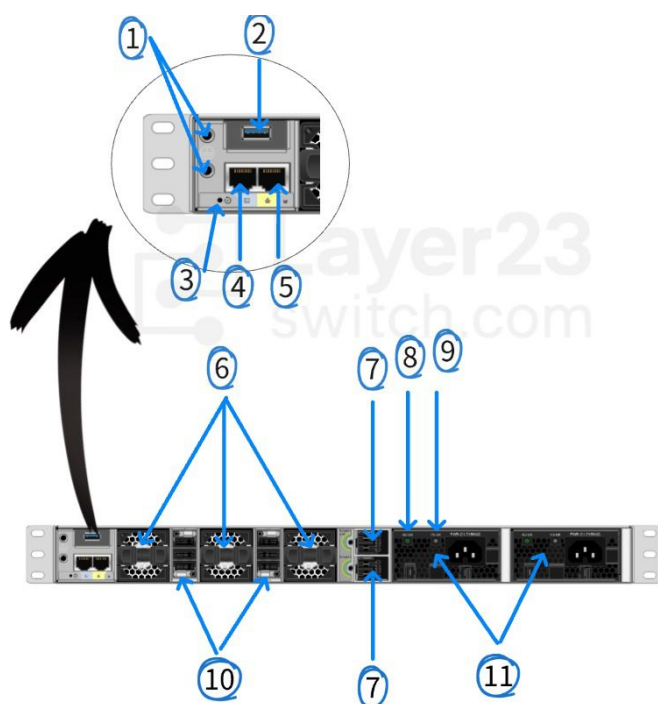
Product Comparison

Feature	C9300L-48T-4G-E	C9300L-48T-4X-E	C9300L-48P-4G-E
License	Network Essentials	Network Essentials	Network Essentials
Switching Capacity	104 Gbps (424 Gbps stk)	176 Gbps (496 Gbps stk)	104 Gbps (424 Gbps stk)
Forwarding Rate	77.38 Mpps (315.48 Mpps stk)	130.95 Mpps (369.05 Mpps stk)	77.38 Mpps (315.48 Mpps stk)
Downlink Ports	48 × 1G copper (no PoE)	48 × 1G copper (no PoE)	48 × 1G PoE+
Uplink Ports	4 × 1G SFP	4 × 10G/1G SFP+	4 × 1G SFP
PoE Support	None	None	48 × PoE+
Primary PSU	350 W AC	350 W AC	715 W AC
Stacking Bandwidth	320 Gbps	320 Gbps	320 Gbps

Switch Rear Panel

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

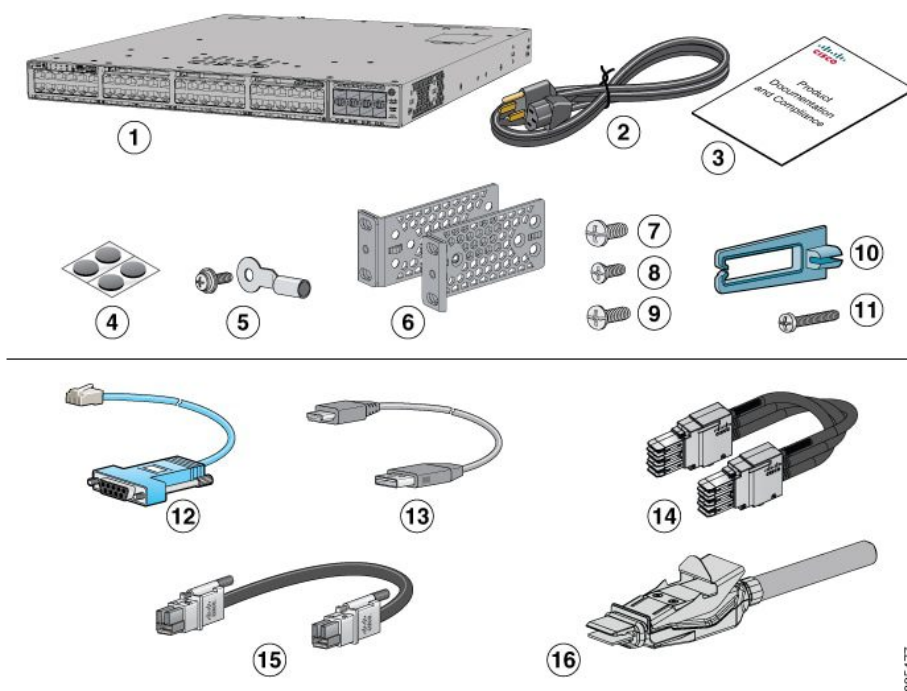
1	Ground connectors	7	StackPower connectors
2	USB3.0-SSD port	8	AC OK (input) status LED
3	BEACON LED	9	PS OK (output) status LED
4	CONSOLE (RJ-45 console port)	10	StackWise-480 port connectors
5	MGMT (RJ-45 10/100/1000 management port)	11	Power supply modules
6	Fan modules	-	-



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

Parameter	Specification
Model	C9300L-48T-4G-E
Chassis	1RU fixed form factor
CPU	Quad-core x86, 2.4 GHz
DRAM	8 GB
Flash Memory	16 GB
Switching Capacity	104 Gbps standalone; 424 Gbps with StackWise-320
Forwarding Rate	77.38 Mpps standalone; 315.48 Mpps (stacked)
MAC Addresses	32,000
IPv4 Routes	32,000 (24,000 direct + 8,000 indirect)
IPv6 Routes	16,000
Multicast Scale	8,000 entries
ACL Scale	5,120 entries
QoS Scale	5,120 entries
Packet Buffer	16 MB (48-port Gigabit models)
VLAN IDs	4,094
SVIs	1,000
Downlink Ports	48 × 1 Gbps RJ-45 copper (data only)
Uplink Ports	4 × 1 Gbps SFP (fixed)
Primary PSU	PWR-C1-350WAC-P (default)
Fans	3 × field-replaceable (N+1 redundant)
Power Consumption	60.32 W @ 0.01%/EEE; 71.16 W @ 50%/full load (115 Vac)
Dimensions (H×W×D)	4.4 × 44.5 × 40.9 cm (chassis only); 44.9 cm w/ PSU; 48.8 cm max
Weight (w/ PSU)	15.41 lb (7.0 kg)
MTBF	387,860 hours
Software	Cisco IOS XE 16.11.1b or later (Network Essentials)
Security	802.1X, DHCP Snooping, Dynamic ARP Inspection
Stacking Bandwidth	320 Gbps (StackWise-320)
StackPower	Not supported (data-only model)

Parameter	Specification
Management	CLI, WebUI, Cisco DNA Center
IPv6 Support	Wire-rate hardware forwarding (16,000 routes)
Energy Efficiency	IEEE 802.3az EEE; per-port power limits
FNF Scale	64,000 flows on 48-port Gigabit models
Jumbo Frames	9,198 bytes
PVST Instances	300

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