C9300L-48T-4G-A DataSheet

C9300L-48T-4G-A: 48×1 G data ports, 4×1 G SFP uplinks, Network Advantage license, 320 Gbps stacking, advanced Layer 3 routing. (<160 characters)

READ MORE

C9300L-48T-4G-A Description

The Cisco Catalyst 9300L-48T-4G-A is engineered for enterprise access deployments requiring high-density data ports and full Layer 3 routing capabilities. It offers 48 Gigabit Ethernet copper ports (non-PoE) and four fixed 1 Gbps SFP uplinks, powered by an integrated 350 W AC power supply. Running Cisco IOS XE with the Network Advantage license, the switch supports OSPF, EIGRP, BGP, VRF-Lite, MPLS, and PIM-SM multicast, in addition to hardware ACLs and QoS. StackWise-320 technology provides up to 320 Gbps of stacking bandwidth across eight switches, enabling a unified control plane and simplified management. Security features include MACsec-128 encryption, 802.1X authentication, TrustSec, DHCP snooping, and Dynamic ARP Inspection. Management can be performed via on-box CLI or WebUI, as well as Cisco DNA Center for centralized policy, automation, and assurance. This model is ideal for data-only campus or branch environments where advanced routing, high port density, and reliable stacking are required.

Quick Specs

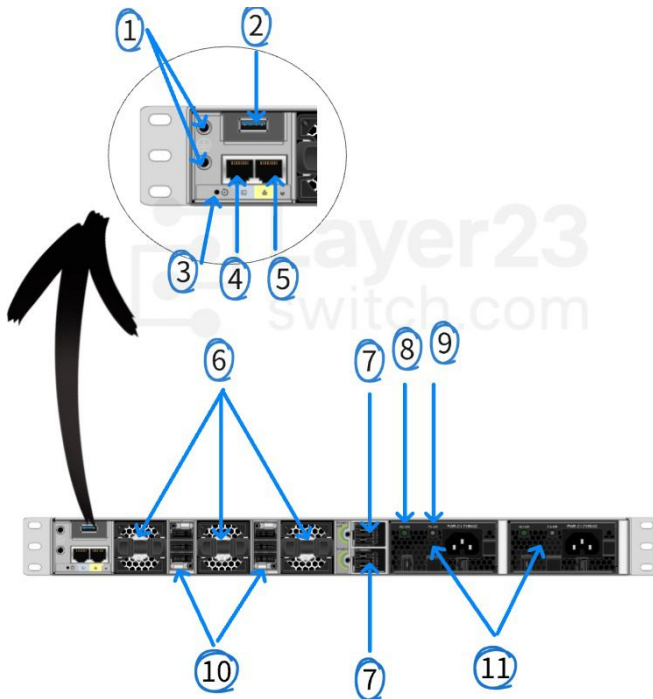| Field	Description
C9300L	Cisco Catalyst 9300 fixed-uplink (non-modular) series
48T	48 ports of 10/100/1000BASE-T copper (data only, no PoE)
4G	4 fixed 1 Gbps SFP uplink ports
A	Network Advantage license (advanced Layer 3 feature set)

Key Features

Product Comparison

Feature	C9300L-48T-4G-A	C9300L-48T-4G-E	C9300L-48T-4X-A
License	Network Advantage	Network Essentials	Network Advantage
Switching Capacity	104 Gbps (424 Gbps stk)	104 Gbps (424 Gbps stk)	176 Gbps (496 Gbps stk)
Forwarding Rate	77.38 Mpps (315.48 Mpps stk)	77.38 Mpps (315.48 Mpps stk)	130.95 Mpps (369.05 Mpps stk)
Downlink Ports	48 × 1 Gbps copper	48 × 1 Gbps copper	48 × 1 Gbps copper
Uplink Ports	4 × 1 Gbps SFP	4 × 1 Gbps SFP	4 × 10 Gbps SFP+
PoE Support	None	None	None
Primary PSU	350 W AC	350 W AC	350 W AC
Stacking Bandwidth	320 Gbps	320 Gbps	320 Gbps

C9300L-48T-4G-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

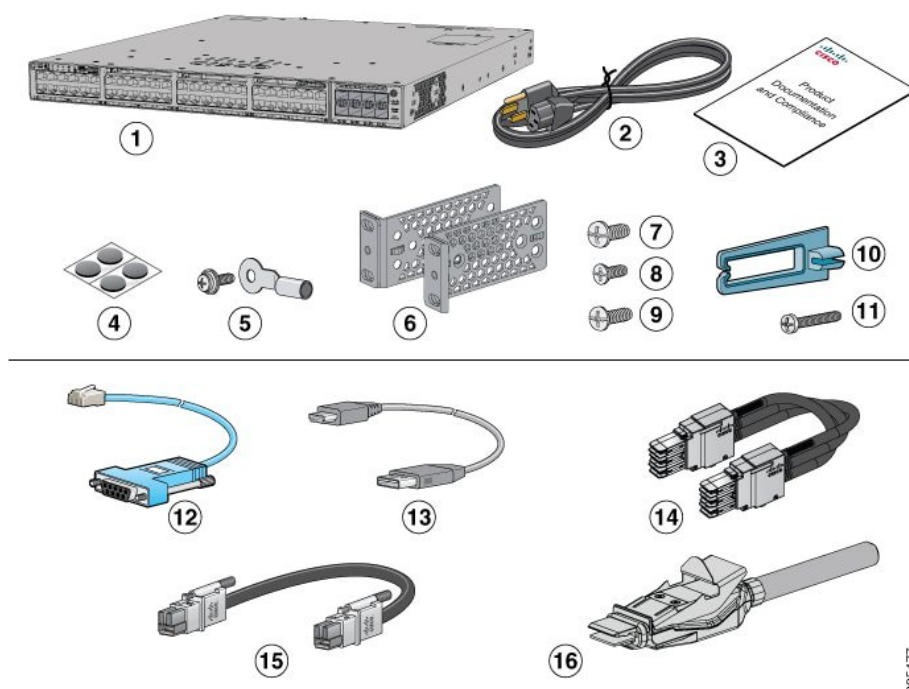| 5	MGMT (RJ-45 10/100/1000 management port)	11	Power supply modules
6	Fan modules	–	–

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

Parameter	Specification
Model	C9300L-48T-4G-A
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

Parameter	Specification
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 Advantage)
Security	MACsec-128, 802.1X, TrustSec, DHCP Snooping, Dynamic ARP Inspection
Stacking Bandwidth	320 Gbps (StackWise-320)
StackPower	Not supported (data-only model)
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

Want to Buy

ORDER NOW **GET A QUOTE**

Why Layer23-Switch.com

As a leading network hardware supplier, Layer23-Switch.com focuses on original new ICT equipment of Cisco, H3C, Juniper, etc.

200+	**18,000+**	**$20,000,000**
Countries we Sold	Customers Trusted	Inventory Available

50%–98%	**100%**
Off Global List Price	Safe Online Shopping

Contact Us

- WhatsApp: +8617181189993
- Wechat: 17181189993
- Email: sales@layer23-switch.com