

C9300L-48P-4X-M DataSheet

Cisco C9300L-48P-4X-M: 48-Port PoE+ access switch with 4x10G SFP+ uplinks, advanced stacking, and cloud management. Secure, scalable, ideal for enterprise campus.

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C9300L-48P-4X-M Description



Cisco Catalyst C9300L-48P-4X-M is a high-performance stackable Layer 3 PoE+ access switch featuring 48 10/100/1000BASE-T PoE+ ports and 4 fixed 10G SFP+ uplinks, engineered for secure and scalable enterprise networks. As a member of the Catalyst 9300L Series, this model is optimized for Power over Ethernet (PoE+), offering up to 505W default power and supporting up to 1440W with power upgrades, ideal for powering APs, cameras, or IoT endpoints. The delivers robust switching performance with a 176 Gbps switching capacity and advanced StackWise-320 stacking for up to 8 units, maximizing uptime and flexibility. Designed for Meraki Dashboard management, it integrates seamlessly into cloud-managed environments, providing advanced security, automation, and visibility. The switch is your ideal solution for secure, scalable, and easily managed enterprise campus access switching.

Quick Specs

Parameter	Specification
Model	C9300L-48P-4X
Downlink Ports	48 × 10/100/1000 Mbps PoE+ RJ-45

Fixed Uplink Ports	4 × 10 Gbps/1 Gbps SFP+
Switching Capacity	176 Gbps
Forwarding Rate	130.95 Mpps
Switching Capacity with Stacking	496 Gbps
Forwarding Rate with Stacking	369.05 Mpps
Default Power Supply	715 W AC internal
Default PoE Budget	505 W (PWR-C1-715WAC-P)
Dimensions (HxWxD)	1.73" × 17.5" × 16.1" (4.4 cm × 44.5 cm × 40.9 cm)
Weight	15.46 lbs (7.03 kg)

Key Features

Product Comparison

Feature	C9300L-48P-4X-M	C9300L-48P-4X-A	C9300L-48PF-4X-M
Total Ethernet Ports	48	48	48
Uplink Ports	4×10G SFP+	4×10G SFP+	4×10G SFP+
PoE+ Power Budget	505W	505W	890W (Full PoE+)
Switching Capacity	176 Gbps	176 Gbps	176 Gbps
Stacking Bandwidth	320 Gbps	320 Gbps	320 Gbps
Default Power Supply	715W AC	715W AC	1100W AC
Meraki Management	Yes	No	Yes
Target Deployment	Enterprise Access	Enterprise Access	High PoE+ Density
Network License	Meraki Advanced	Network Advantage	Meraki Advanced

StackWise Technology

StackWise-320

StackWise-320

StackWise-320

Catalyst 9300 Meraki Licensing Description

The Meraki licensing model for Catalyst 9300-M series switches—including the C9300L-48P-4X-M—offers **two feature tiers**:

1. Advanced Features License

- **SKU for 48-port:** LIC-C9300-48A
- Includes all Enterprise Features plus advanced capabilities such as Adaptive Policy and Netflow v10 (IPFIX) with Encrypted Traffic Analytics.

2. Enterprise Features License

- **SKU for 48-port:** LIC-C9300-48E
- Covers all core enterprise functionality needed for Meraki cloud management.

Key Notes:

- Both Advanced and Enterprise licenses are available in 1, 3, 5, 7, and 10-year terms.
- Every Catalyst 9300-M switch (including C9300L-48P-4X-M) requires one of these licenses for Meraki cloud management.
- Advanced license includes all Enterprise features, plus extra security and analytics.

Typical Ordering Example for 48-port Models:

- Advanced: LIC-C9300-48A-3Y (3-year advanced)
- Enterprise: LIC-C9300-48E-3Y (3-year enterprise)

Advanced License Extra Features:

- Adaptive Policy
- Netflow v10 (IPFIX) and Encrypted Traffic Analytics

Specification

Parameter	C9300L-48P-4X-M
Downlink Ports	48 × 10/100/1000 Mbps PoE+
Uplink Ports	4 × 10G SFP+ fixed uplinks
Switching Capacity	176 Gbps
Forwarding Rate	130.95 Mpps
PoE Power Budget	505W (default), max 1100W
Stacking Bandwidth	320 Gbps (StackWise-320)
Stacking Support	Up to 8 units
Default Power Supply	PWR-C1-715WAC-P
Fan	Fixed, redundant
Dimensions (H×W×D)	44.5 × 445 × 288 mm
Weight	Approx. 5.8 kg
Management Ports	RJ-45 Console, USB Mini-B, Ethernet Management
Operating System	Cisco IOS XE
Layer Support	Layer 2, Layer 3
MTBF	>380,000 hours
Operating Temperature	0°C to 45°C
Relative Humidity	10% to 95% (non-condensing)
Rack Units	1RU
Power Redundancy	Yes, supports redundant PS
MAC Address Table	32,000 entries
VLANs Supported	4096
Flash Memory	16GB
DRAM	8GB
QoS	Yes
Security Features	802.1X, TrustSec, MACsec (hardware ready)

Parameter	C9300L-48P-4X-M
Certification	UL, CE, RoHS, EAC, RCM

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