

**Cisco**  
**C9300L-48UXG4X-10A**  
**Datasheet**



## Product Overview

- Cisco Catalyst 9300 Series switches define stackable enterprise access for modern wired and wireless networks.
- Designed for dynamic businesses, the C9300L-48UXG4X-10A meets the needs of offices, campuses, and growing distributed environments.
- Key specs include 48 multigigabit PoE+ ports, 4x 10G uplinks, and stacking bandwidth up to 320 Gbps for reliable high-performance networking.
- Standout features are integrated SD-Access for network automation, embedded wireless controller for up to 50 APs, and strong AES-256 encryption.
- Flexible management via on-premises, virtual, or cloud-based options, unified policy control, and support for Cisco DNA and Meraki platforms.
- Ideal for organizations seeking secure, scalable access with streamlined management and strong investment protection across evolving IT needs.

## Product Highlights

- **High-Density Multigigabit Access:** Offers 48-port PoE+ with 12 multigig ports for high-performance user and IoT device connections across modern workspaces.
- **Advanced Uplink Flexibility:** Includes 4 fixed 10G uplinks, enabling fast data aggregation and flexible network expansion for growing enterprises.
- **Embedded Wireless Controller:** Integrated management for up to 50 APs supports seamless wired and wireless network unification.
- **Cloud-Ready Network Automation:** SD-Access and cloud monitoring deliver simplified operations, robust security, and policy-based automation.

## Detailed Features



### C9300L-48UXG4X-10A

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Component	Specification
Downlink Ports	48 × 1G Multi-Gig (12 mGig PoE+)
Uplink Ports	4 × 10G fixed uplinks
Switching Capacity	392 Gbps (standalone)
Stacking Bandwidth	320 Gbps
PoE Power Budget	675W



## Versatile Multigigabit Connectivity

The C9300L-48UXG4X-10A features 48 PoE+ ports, including 12 multigig ports, offering flexible high-speed access for diverse devices. This supports demanding user environments with Wi-Fi 6 and high-throughput IoT deployment scenarios out-of-the-box.

## Powerful Performance & Stacking

With 392 Gbps switching capacity and 320 Gbps stacking bandwidth, the switch delivers seamless scalability. Its robust forwarding rate and hardware-level resources provide enterprise-class performance for distributed campus or branch networks.

## Comprehensive SD-Access Integration

Native support for SD-Access enables policy-driven automation, unified wired/wireless fabric, and network segmentation. This architecture enhances security and enables swift deployment across evolving hybrid workspaces.

## Embedded Wireless LAN Controller

Integrated Catalyst 9800 WLC functionality supports up to 50 access points, streamlining wireless management and allowing centralized policy configuration. This reduces the need for standalone wireless appliances and cutting complexity.

## Secure Next-Gen Services

AES-256 encryption for secure tunnels, Cisco ASAc firewall support, and hardware IPsec at 100G provide strong security at the network edge, ideal for protecting users and endpoints across remote or cloud-connected sites.

## Cloud & Flexible Management

Choose cloud (Meraki), virtual, or on-prem management. Unify policies and operations across wired and wireless domains with Cisco DNA, Meraki dashboards, and API support for enhanced visibility and control.

## Future-Proof Licensing & Investment

Cisco's subscription models offer license portability, investment protection, and lifecycle updates. Next-gen hardware ensures system longevity and backward compatibility with Catalyst 9300 accessories.

## High Resilience Design

Field-replaceable (FRU) power supplies and fans, hardware redundancy, and StackWise technology ensure power resiliency and minimal downtime in mission-critical networks.

# Technical Specifications

## Product Specifications

Feature	Value
Product Description	C9300L 48p PoE+ 12xmGig, Netw Adv,4x10G Uplink
FRU Power Supply	Yes
FRU Fans	Yes
Modular Uplinks	No
Stacking Bandwidth Support	320 Gbps
Cisco StackPower	No
Catalyst 9800 Embedded WLC	Yes (50 APs)
SD-Access Support	Yes (256 Virtual Networks)
Total 10/100/1000, Multigigabit copper or SFP Fiber	48 PoE+ 12xmGig
Uplink Configuration	4x 10G fixed uplinks
Default AC Power Supply	1100W AC
Available PoE Power	675W
Total Number of MAC Addresses	32,000



Feature	Value
Total Number of IPv4 Routes	32,000 (24,000 direct routes and 8000 indirect routes)
IPv6 Routing Entries	16,000
Multicast Routing Scale	8,000
QoS Scale Entries	5,120
ACL Scale Entries	5,120
Packet Buffer Per SKU	16 MB buffer for 24 and 48 port Gigabit Ethernet models
FNF Entries	64,000 flows on 24- and 48-port Gigabit Ethernet models
DRAM	8 GB
Flash	16 GB
VLAN IDs	4094
Total Switched Virtual Interfaces (SVIs)	1000
Jumbo Frames	9198 bytes
Total Routed Ports Per Catalyst 9300 Series Stack	416
Switching Capacity	392 Gbps
Switching Capacity With Stacking	712 Gbps
Forwarding Rate	291.66 Mpps
Forwarding Rate With Stacking	529.76 Mpps
Dimensions (H x W x D) Cms	Chassis only: 4.4 x 44.5 x 40.9
Dimensions With Default Power Supply	4.4 x 44.5 x 48.8

## Product Comparison

Feature	C9300L-48UXG4X-10A	C9300L-48T-4G-E	C9300L-48P-4G-E
Downlink Ports	48 x 1G Multi-Gig (12 mGig PoE+)	48 x 1G (no mGig/PoE)	48 x 1G PoE+
Uplink Ports	4 x 10G fixed	4 x 1G	4 x 1G
Switching Capacity	392 Gbps	104 Gbps	104 Gbps
PoE Power Budget	675W	Not supported	370W



Feature	C9300L-48UXG4X-10A	C9300L-48T-4G-E	C9300L-48P-4G-E
Embedded Wireless Controller	Yes (50 APs)	No	No
SD-Access Support	Yes (256 VNs)	Yes (128 VNs)	Yes (128 VNs)
Stacking Bandwidth	320 Gbps	320 Gbps	320 Gbps
Management Options	Cisco DNA, Meraki, On-Prem	Cisco DNA, Meraki, On-Prem	Cisco DNA, Meraki, On-Prem

## Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"> <li>- Power Adapter</li> <li>- Rack Mount Kit</li> <li>- Console Cable</li> </ul>
Optional Accessories	<ul style="list-style-type: none"> <li>- SFP+ Transceiver Modules</li> <li>- Redundant Power Supply</li> <li>- Stackwise Cables</li> </ul>



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## References

[1] Cisco. (2023). Cisco Catalyst 9300 Series Switches Datasheet. Retrieved from <https://www.cisco.com/c/en/us/products/collateral/switches/catalyst-9300-series-switches/nb-06-cat9300-ser-data-sheet-cte-en.html>