

— CISCO CATALYST 9300L SERIES

Cisco Catalyst C9300L-48P-4X Switch

The Cisco Catalyst C9300L-48P-4X Switch represents a pinnacle of enterprise-class networking, offering unmatched security, programmability, and high-density Power over Ethernet (PoE+) capabilities. Designed for modern digital workplaces, this fixed-uplink model ensures seamless convergence of wired and wireless networks. To expand your enterprise core infrastructure, you can also explore the advanced [C9300X-12Y-E](#) or check out the high-performance [C9300X-24Y-E](#) for ultimate scalability. Organizations looking for modular flexibility often pair these switches with the [C9200-NM-2Y](#) network module or the high-speed [C9200-NM-2Q](#) uplink options.

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48

Ports Full PoE+ Support

4 × 10G

Fixed SFP+ Uplink Ports

176 Gbps

Switching Capacity

IOS XE

Cisco Universal Software

PRODUCT OVERVIEW

Overview and Architecture of Cisco Catalyst 9300L-48P-4X

Enterprise networks require robust foundational hardware that can dynamically adapt to shifting security threats and growing bandwidth demands. The Cisco Catalyst 9300L series builds on the legendary reliability of the Catalyst switching family while introducing state-of-the-art innovations. Featuring 48 ports of full PoE+ support and fixed 4x 10G uplinks, this switch is engineered to power modern IP endpoints such as high-definition security cameras, smart building sensors, and advanced VoIP hardware like the [CP-7841-K9](#) IP phone or the compact [CP-7821-K9](#) device. For environments requiring larger displays, integrating the [CP-7861-K9](#) or executive-level collaboration tools like the [CP-8811-K9](#) and [CP-8841-K9](#) becomes entirely frictionless.

48P

48-Port Full PoE+

Delivers up to 30W of power per port for IP phones, wireless access points, and security cameras.

10G

10G SFP+ Uplinks

Features 4 fixed 10G high-speed uplink ports for resilient core and aggregation connections.

STK

StackWise-320

Combines multiple switches into a single logical unit with sub-second failover capabilities.

SEC

Advanced Security

Includes Encrypted Traffic Analytics (ETA), MACsec encryption, and secure segmentation.

MGM

DNA & Automation

Supports Cisco DNA Center, plug-and-play installation, and open API programmability.

PWR

Redundant Power

Supports field-replaceable redundant power supplies and modular fan assemblies.

01 / TECHNICAL SPECIFICATIONS

Cisco C9300L-48P-4X Detailed Specifications

The following technical details outline the core hardware and performance metrics of the switch.

Feature Category	Specification Details
Manufacturer	Cisco Systems, Inc.
Product Family	Cisco Catalyst 9300L Series

Feature Category	Specification Details
Product Model	C9300L-48P-4X
Total 10/100/1000 or PoE+ Ports	48 ports full PoE+
Uplink Configuration	Fixed 4 x 10G SFP+ uplinks
Default AC Power Supply	715W AC (Configurable for higher PoE demands)
Switching Capacity	Up to 176 Gbps
Forwarding Rate	130.95 Mpps
DRAM / Flash Memory	8 GB / 16 GB
Operating System	Cisco IOS XE Universal Software
Stacking Bandwidth	320 Gbps via StackWise-320
Form Factor & Mounting	1U Rack-Mountable Enterprise Chassis
Dimensions & Weight	4.4 × 44.5 × 48.8 cm / 7.03 kg (With Power Supply)

02 / ECOSYSTEM INTEGRATION

Unified Communications and Modular Expansion

Furthermore, unified communications deployments benefit significantly from high-end desk endpoints such as the [CP-8851-K9](#), the multi-line [CP-8861-K9](#), and specialized video units including the [CP-8845-K9](#), [CP-8865-K9](#), and [CP-8875-K9](#). High-end boardrooms often leverage

executive video endpoints like the [CP-9971-C-K9](#), alongside alternative series hardware such as the [DP-9841-K9](#), [DP-9851-K9](#), [DP-9861-K9](#), and [DP-9871-K9](#).

Network Engineering Note: Network administrators managing hybrid infrastructures can also deploy modular expansion components such as the [C9200-NM-4G](#) and [C9200-NM-4X](#), or utilize blank faceplates like the [C9200-NM-BLANK](#) for unused slots. For ultra-dense core aggregation layers, deploying models like the [C9300X-48HX](#), [C9300X-48TX](#), [C9300X-48HXN](#), or [C9300X-24HX](#) creates a bulletproof network architecture. Businesses seeking alternative power or port configurations often look into models like the [C9300-24T](#), [C9300-48T](#), or [C9300-24P](#).

03 / COMPARISON TABLE

Comparison with Other Cisco Catalyst Series Switches

To help you choose the ideal hardware tier for your deployment, the comparison table below outlines how the C9300L-48P-4X stacks up against other popular models in the Cisco switching portfolio.

Model Name	Port Density	Uplink Type	Target Deployment
Cisco C9300L-48P-4X	48 Ports PoE+	4x 10G SFP+	Enterprise Access / Branch Office Core
Cisco C9300X-12Y-E	12 Ports Multi-Gigabit	Modular / High Speed	High-Performance Data Center / Core
Cisco C9200-NM-2Y	Modular Module	2x 25G / 10G	Catalyst 9200 Uplink Expansion
Cisco CP-7841-K9	IP Phone (4 Lines)	Gigabit Ethernet	Standard Office Communication



Need Pricing or Availability for Cisco C9300L-48P-4X?

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 **+971 50 516 6272**

 **info@nexoget.com**



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