

CISCO CATALYST 9300L SERIES

Cisco Catalyst 9300L

C9300L-48T-4X

The Cisco Catalyst C9300L-48T-4X is an enterprise-class stackable data switch featuring 48 10/100/1000 Mbps ports, 4 fixed 10G SFP+ uplinks, StackWise-320 stacking architecture, Cisco IOS XE programmability, and advanced enterprise security features for high-performance campus and branch networks.

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48 Port

Gigabit Data Interfaces

4 × 10G

SFP+ Uplink Ports

320 Gbps

StackWise Stacking

IOS XE

Enterprise Operating System

PRODUCT OVERVIEW

Enterprise Performance and Resilient Switching

Designed for secure, high-density access layer deployments, the C9300L-48T-4X combines robust switching capacity with advanced orchestration, automated provisioning, and comprehensive security capabilities.

48P

High-Density Ports

Equipped with 48 10/100/1000BASE-T Ethernet data ports to support workstations, IP devices, and network nodes efficiently.

10G

High-Speed Uplinks

Four fixed 10G SFP+ uplink ports deliver fast backbone connectivity and prevent aggregation bottlenecks.

STK

StackWise-320

Supports stacking up to 8 switches into a single logical unit with 320 Gbps of stacking bandwidth for high availability.

SEC

Advanced Security

Features Encrypted Traffic Analytics (ETA), MACsec encryption at Layer 2, Secure Boot, and Trust Anchor technologies.

AUT

Network Automation

Runs on Cisco IOS XE supporting model-driven telemetry, programmable APIs, and workflow automation.

PWR

Redundant Power

Supports dual field-replaceable modular power supplies and fan units for maximum operational uptime.

01 / TECHNICAL SPECIFICATIONS

Cisco C9300L-48T-4X Detailed Specifications

Comprehensive technical specifications and parameters for the Cisco Catalyst C9300L-48T-4X enterprise switch.

Manufacturer	Cisco Systems, Inc.
Product Family	Cisco Catalyst 9300 Series (9300L Variant)
Model	C9300L-48T-4X
Product Type	Managed Enterprise Data Switch
Total Downlink Ports	48 x 10/100/1000 Mbps Gigabit Ethernet (RJ-45) Data-Only
Uplink Ports	4 x 10G SFP+ Fixed Uplinks
Switching Capacity	Up to 176 Gbps
Stacking Technology	StackWise-320 (Supports up to 8 units in a stack)

Stacking Bandwidth	Up to 320 Gbps
Forwarding Rate	131.47 Mpps
DRAM / Flash Memory	8 GB DRAM / 4 GB Flash Storage
MAC Address Table Size	32,000 entries
IPv4 / IPv6 Routes	18,000 IPv4 routes / 16,000 IPv6 routes
Operating System	Cisco IOS XE Software
PoE Support	No (Data-Only Switch)
Power Supply	Dual redundant modular power supply bays (AC/DC field-replaceable)
Security Features	MACsec, Encrypted Traffic Analytics (ETA), Secure Boot, Trust Anchor
Form Factor	1RU Fixed Rack-Mountable Chassis
Dimensions (H x W x D)	4.4 x 44.5 x 40.9 cm (1.73 x 17.5 x 16.1 in)
Weight	Approx. 4.38 kg (9.65 lbs) with default power supply
Operating Temperature	-5°C to 45°C (23°F to 113°F)

02 / DEPLOYMENT

Architecture and Stacking Integration

The C9300L-48T-4X is engineered for flexible campus and branch deployments, offering deterministic sub-second failover via StackWise-320 and seamless integration with Cisco DNA architecture.

Stacking Resiliency

Combine up to 8 switches into a single management domain with unified control plane and high availability.

Programmable Management

Utilize modern scripting, RESTCONF/NETCONF, and telemetry to simplify lifecycle management.

Enterprise Scaling

Provide reliable wire-speed connectivity for demanding user access layers and branch offices.

03 / PROCUREMENT

Ordering and Availability Note

Verify exact software license tiers (Network Advantage / Network Essentials), power supply options, accessories, and warranty status prior to placing your order.

Important: Ensure compatibility with your existing network architecture, optical transceiver modules, and direct-attach cables before deployment.

04 / PACKAGING

Dimensions, Weight and Shipping Information

Estimated box dimensions and shipping weight for safe transport and logistics handling.

Product Dimensions	4.4 x 44.5 x 40.9 cm (1RU)
Product Net Weight	Approx. 4.38 kg
Reported Package Dimensions	Approx. 58 x 54 x 15 cm
Reported Package Weight	Approx. 6.8 – 7.2 kg (Varies by packaging and accessories)

05 / USE CASES

Target Deployment Environments

Enterprise Campus Access

Delivers high-density Gigabit connectivity and secure multi-gigabit uplinks for office workspaces.

Branch Office Core

Acts as a powerful branch switching node with advanced Layer 3 routing protocols and redundancy.

Data Center Edge

Supports high-performance environments requiring secure data forwarding and low latency.

06 / NEXOGET

Before You Order Cisco C9300L-48T-4X

Contact NexoGet for current stock availability, competitive commercial pricing, technical consultation, and global delivery details.

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Need a quote for Cisco C9300L-48T-4X?

Contact NexoGet for pricing, availability, configuration and shipping details.

+971 50 516 6272

info@nexoget.com

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