

CISCO CATALYST 9300 SERIES

Cisco Catalyst Switch

C9300-48T

The Cisco Catalyst C9300-48T is an enterprise-class 48-port Gigabit Ethernet stackable switch built for high-density data connectivity, advanced security, and modern IoT integration. Powered by Cisco IOS XE and StackWise-480 technology, it offers maximum scalability and performance for enterprise networks.

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48 Ports

10/100/1000 Gigabit Data

480 Gbps

StackWise-480 Bandwidth

128 Gbps

Standalone Switching Capacity

IOS XE

Advanced Programmable OS

PRODUCT OVERVIEW

Enterprise Security and High-Density Switching

The Cisco Catalyst C9300-48T is engineered to meet critical data access demands across corporate campuses and remote branch architectures. Supporting modular network uplink expansion, high-speed redundancy, and x86 container execution, it serves as an indispensable solution for robust enterprise network core and edge deployments.

48P

48 Gigabit Ports

Dedicated 10/100/1000 Mbps RJ-45 copper ports ideal for data-intensive server and workstation connections.

STK

StackWise-480

Enables high-density stacking bandwidth up to 480 Gbps across up to 9 unified stackable switches.

NMs

Modular Uplinks

Hot-swappable network modules supporting 1G, 10G, 25G, and 40G transceiver expansion slots.

SEC

Advanced Security

Features AES-128 MACsec encryption, Encrypted Traffic Analytics (ETA), and Trust Anchor hardware safeguards.

PWR

Redundant Power

Dual field-replaceable modular power supply bays with StackPower technology support for pooled redundancy.

x86

Application Hosting

x86 CPU infrastructure with 8 GB DRAM and 16 GB Flash allows running third-party containerized apps.

01 / TECHNICAL SPECIFICATIONS

Cisco C9300-48T Detailed Specifications

The technical specifications below are extracted directly from official Cisco Catalyst 9300 Series documentation.

-5 to 45°C (23 to 113°F)

Manufacturer	Cisco Systems, Inc.
Product Line	Cisco Catalyst 9300 Series
Model	Cisco Catalyst C9300-48T
Part Number	C9300-48T-E / C9300-48T-A
Form Factor	1U Rack-Mountable Stackable Switch
Total Ethernet Ports	48 x 10/100/1000BASE-T RJ-45 Data Ports
PoE Capability	Non-PoE (Data Only)
Switching Capacity	128 Gbps (Standalone) / Up to 608 Gbps (Stacked)
Forwarding Rate	190.47 Mpps (Standalone) / Up to 452.38 Mpps (Stacked)

Stacking Technology	Cisco StackWise-480
Stacking Bandwidth	480 Gbps
DRAM Memory	8 GB
Flash Memory	16 GB
MAC Address Table	32,000 entries
Routing Entries	32,000 IPv4 / 16,000 IPv6
Modular Uplinks	Optional Network Modules (Supports 1G, 10G, 25G, 40G)
Power Supplies	Dual Field-Replaceable AC Power Supply Slots (Default: 350W AC)
Fan Redundancy	Three Field-Replaceable Variable-Speed Fan Modules
Operating System	Cisco IOS XE (Network Essentials / Network Advantage)
Physical Dimensions	4.4 × 44.5 × 44.5 cm (1.73 × 17.5 × 17.5 in)
Chassis Weight	7.32 kg (16.14 lbs)
Operating Temperature	
Operating Humidity	10% to 95%, noncondensing

Software Licensing and System Integration

The Catalyst C9300-48T operates under Cisco's subscription-based licensing model, allowing organizations to select between Network Essentials and Network Advantage feature sets depending on network management, routing, and SD-Access requirements.

Network Essentials

Provides core Layer 2 switching, static routing, basic telemetry, and essential network security controls.

Network Advantage

Unlocks advanced Layer 3 routing protocols (BGP, OSPF, IS-IS), full SD-Access segmentation, and Cisco TrustSec.

SD-Access Deployment

Acts as a seamless SD-Access edge node for policy-based network access control and automated provisioning.

03 / PROCUREMENT

Availability and Ordering Guidelines

When purchasing the Cisco C9300-48T, ensure proper uplink module selection (1G, 10G, 25G, or 40G) and secondary power supply requirements to match your rack infrastructure needs. Contact NexoGet for official stock availability, project pricing, and global shipping options.

Important: Verify desired Cisco IOS XE licensing tier (Essentials vs. Advantage), optional network module parts, and power redundancy configurations prior to issuing purchase orders.

04 / PACKAGING

Shipping Dimensions and Package Weight

Below are standard packaging dimensions and gross weight details for logistics and freight calculation when ordering the Cisco C9300-48T switch.

Chassis Dimensions	4.4 × 44.5 × 44.5 cm (1.73 × 17.5 × 17.5 in)
Chassis Net Weight	7.32 kg (16.14 lbs)
Reported Package Dimensions	62.2 × 57.1 × 16.5 cm (24.5 × 22.5 × 6.5 in)
Reported Package Weight	8.40 kg (18.50 lbs)

05 / USE CASES

Recommended Architecture Applications

Enterprise Access Layer

Ideal for connecting high-density corporate workstations, office PCs, and non-PoE network equipment.

Core & Aggregation Nodes

Suitable for small-to-medium enterprise core layers requiring high throughput and 480 Gbps stacking capability.

Data Center Edge

Provides robust 1G server connectivity backed by high-speed SFP+/SFP28 modular uplinks.

06 / NEXOGET

Order Your Cisco C9300-48T from NexoGet

NexoGet supplies authentic Cisco enterprise switches, modules, and optics. Get in touch with our technical team today for hardware consultation, fast quotation, and international delivery options.

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Need a quote for Cisco C9300-48T?

Contact NexoGet for official pricing, availability, system configuration, and worldwide shipping details.

+971 50 516 6272

info@nexoget.com

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