

CISCO CATALYST 9300 SERIES

Cisco Catalyst C9300-24T Switch

The Cisco Catalyst C9300-24T Switch is a premium 24-port Gigabit Ethernet data switch built for high-security, high-availability enterprise networks. Powered by UADP 2.0 ASIC architecture and Cisco IOS XE, it supports StackWise-480, modular uplinks, advanced Layer 3 routing, and Cisco SD-Access for seamless digital transformation.

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24 Ports

10/100/1000M RJ45 Data

480 Gbps

StackWise-480 Bandwidth

208 Gbps

Switching Capacity

154.76 Mpps

Forwarding Rate

PRODUCT OVERVIEW

Enterprise-Grade Performance and Security

The Cisco C9300-24T switch is purpose-built to serve as the lead stackable enterprise switching platform for security, IoT, mobility, and cloud integration. Optimized for high-density data connections without PoE requirements, it delivers unmatched network resilience and simplified single-plane stacking management.

24G

24 Gigabit Ports

24 dedicated 10/100/1000 Mbps RJ45 data ports engineered for enterprise desktop, server, and access connectivity.

STK

StackWise-480

Industry-leading stacking throughput up to 480 Gbps across 8 stacked units for unified control and redundancy.

MOD

Modular Uplinks

Flexible modular uplink slots supporting optional 1G, 10G, 25G, and 40G network modules for future-proof growth.

UADP

UADP 2.0 ASIC

Programmable ASIC supporting flexible table allocation, advanced QoS, pipeline processing, and hardware routing.

SEC

Defense-in-Depth

Hardware-level security featuring AES-256 MACsec encryption, Encrypted Traffic Analytics (ETA), and Cisco ISE.

SD

SD-Access Ready

Fully supports Cisco DNA Center and Software-Defined Access for automated network segmentation and policy management.

01 / TECHNICAL SPECIFICATIONS

Cisco C9300-24T Detailed Specifications

The technical parameters below reflect standard Cisco data sheet specifications for the Catalyst C9300-24T switch model.

Manufacturer	Cisco Systems, Inc.
Product Series	Cisco Catalyst 9300 Series
Model	Cisco Catalyst C9300-24T Switch
Part Number	C9300-24T-E / C9300-24T-A
Device Type	Enterprise Stackable Managed Switch
Total Ports	24 Ethernet 10/100/1000 Ports (Data Only)
PoE Support	Non-PoE (Pure Data Switching)
Stacking Technology	Cisco StackWise-480 (Up to 480 Gbps stacking bandwidth)

Switching Capacity	208 Gbps (Standalone) / Up to 688 Gbps with Stacking
Forwarding Rate	154.76 Mpps
DRAM Memory	8 GB
Flash Memory	16 GB
MAC Address Table Size	32,000 Entries
Routed IPv4 / IPv6 Routes	32,000 / 16,000
Uplink Configuration	Modular (Network Modules sold separately)
Power Supply Options	Dual field-replaceable power supply slots (AC/DC)
Fans	3 Field-Replaceable Variable-Speed Fan Modules
Form Factor	1RU Rack-mountable
Dimensions (H × W × D)	1.73 × 17.5 × 17.5 in (4.4 × 44.5 × 44.5 cm)
Weight	Approx. 16.03 lbs (7.27 kg)
Software Licensing	Cisco Network Essentials / Network Advantage
Operating Temperature	-5°C to 45°C (23°F to 113°F)

02 / DEPLOYMENT

Deployment Capabilities and Software Architecture

The C9300-24T offers full support for modern enterprise access environments. Operable under Cisco IOS XE, it enables seamless containerized application hosting directly on the switch processor while maintaining enterprise-wide security through automated identity-based access control.

Network Essentials Tier

Provides foundational Layer 2/3 enterprise access switching, basic stub routing (OSPF, EIGRP), telemetry, and core VLAN features.

Network Advantage Tier

Unlocks advanced BGP routing, IS-IS, full OSPF, SD-Access fabric integration, Cisco DNA Assurance, and 256-bit MACsec support.

High-Availability Stacking

StackWise-480 enables stateful switchover (SSO) ensuring sub-second failover for uninterrupted corporate communication.

03 / ORDERING NOTE

Ordering and Accessory Requirements

The standard C9300-24T switch base unit requires network modules for uplink connectivity (e.g., 4x 1G, 4x 10G, 2x 25G, or 2x 40G). Verify required software license tier (Essentials or Advantage) and power redundancy configurations prior to order placement.

Important: Ensure your procurement plan includes compatible StackWise cables, power supply options, and required network modules for optimal uplink performance.

04 / PACKAGING

Dimensions, Weight and Shipping Information

Standard packaging metrics for the Cisco Catalyst C9300-24T switch ensure safe transit and logistics planning for global delivery.

Switch Unit Dimensions	1.73 × 17.5 × 17.5 inches (1RU)
Switch Net Weight	Approx. 7.27 kg (16.03 lbs)
Estimated Carton Dimensions	Approx. 24 × 13 × 5.5 inches (61 × 33 × 14 cm)
Gross Shipping Weight	Approx. 7.50 kg (16.53 lbs)

05 / USE CASES

Where Cisco C9300-24T Fits Best

Enterprise Access Layer

Ideal for corporate offices connecting desktop PCs, printers, and non-PoE network devices requiring wire-speed Gigabit routing.

Branch Office Aggregation

Serves as an efficient branch core switch providing dynamic routing, segmentation, and secure WAN uplink connectivity.

High-Security Network Closets

Perfect for military, financial, and healthcare institutions requiring 256-bit MACsec encryption and Encrypted Traffic Analytics.

06 / NEXOGET

Before You Order Cisco C9300-24T

Contact NexoGet to verify stock availability, exact software license tiering, network module options, and international shipping rates to receive a competitive corporate quotation.

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Need a quote for Cisco C9300-24T?

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

+971 50 516 6272

info@nexoget.com

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