

CISCO CATALYST 9300X SERIES

Cisco Catalyst C9300X-12Y-E

The Cisco Catalyst C9300X-12Y-E is an enterprise-class 12-port 25G/10G/1G SFP28 fiber aggregation switch powered by the UADP 3.0 ASIC. Built for high-density campus distribution and server fiber links, it features up to 1 Tbps StackWise technology, hardware MACsec 256-bit encryption, and Network Essentials capability.

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12 Ports

25G/10G/1G SFP28

1 Tbps

StackWise-1TB Bandwidth

1.6 Tbps

Switching Capacity

UADP 3.0

ASIC Architecture

PRODUCT OVERVIEW

Enterprise Fiber Aggregation & High-Speed Core

The Cisco Catalyst C9300X-12Y-E delivers secure, flexible, and scalable fiber aggregation across campus and branch networks. Supporting multi-rate 1G, 10G, and 25G SFP28 connectivity alongside modular 100G uplinks, it provides an ideal bridge between core infrastructure and edge access switches.

25G

25G Multi-Rate Fiber

12 native SFP28 ports supporting 1G, 10G, and 25G transceivers for seamless fiber optic migration.

1TB

StackWise-1TB

Industry-leading stacking throughput up to 1 Tbps with unified management and high availability.

100G

Modular Uplinks

Flexible network module options supporting high-density 10G, 25G, 40G, and 100G uplink capacities.

SEC

AES-256 MACsec

Hardware-anchored 256-bit MACsec encryption ensuring line-rate secure data transmission across fiber links.

APP

App Hosting

Multicore x86 CPU and 16 GB DRAM enable native Docker container hosting for telemetry and microservices.

PWR

Dual Redundancy

Dual field-replaceable load-sharing AC/DC power supplies and modular fans ensure maximum uptime.

01 / TECHNICAL SPECIFICATIONS

Cisco C9300X-12Y-E Detailed Specifications

The technical parameters below reflect standard Cisco Catalyst 9300X specifications for model C9300X-12Y-E.

Manufacturer	Cisco Systems, Inc.
Product Family	Cisco Catalyst 9300X Series
Model	Cisco Catalyst C9300X-12Y-E
Part Number	C9300X-12Y-E
Product Type	Managed 12-Port Fiber Aggregation Switch
Downlink Ports	12x 25G/10G/1G SFP28 / SFP+ / SFP
Switching Capacity	Up to 1.6 Tbps (with uplink module)
Forwarding Rate	Up to 1.2 Bpps
Stacking Technology	Cisco StackWise-1TB (Up to 1 Tbps throughput)

CPU	Multicore x86 CPU
DRAM Memory	16 GB DDR4
Flash Memory	16 GB
Software Feature Set	Cisco Network Essentials
MACsec Encryption	IEEE 802.1AE MACsec-256 on all downlink and uplink ports
Uplink Support	Modular uplink slots (Supports 10G, 25G, 40G, and 100G QSFP28 modules)
Power Supplies	Dual redundant AC/DC internal power supplies (Default: 350W AC)
Cooling	3x Field-replaceable modular fans
Network Protocols	IPv4/IPv6, OSPF, EIGRP Stub, RIP, BGP (via Advantage upgrade), QoS, FNF, TrustSec
Dimensions (H × W × D)	4.4 × 44.5 × 48.8 cm (1.73 × 17.5 × 19.2 in) — 1RU
Weight	Approx. 7.25 kg (16.0 lb)
Package Weight	Approx. 7.50 kg (16.5 lb)
Operating Temperature	-5 to 45°C (23 to 113°F)

Deployment & Software Capabilities

The C9300X-12Y-E switch runs on Cisco IOS XE, enabling zero-touch deployment via Cisco Catalyst Center (formerly DNA Center), real-time telemetry, and automated network operations. Equipped with the Network Essentials license, it supports complete Layer 2 and foundational Layer 3 routing features required for corporate aggregation backbones.

Campus Distribution

Aggregates floor-level copper and PoE switches via ultra-low latency 10G or 25G fiber links.

Data Center / Server Links

Provides high-density 25G connectivity for dedicated high-performance enterprise server racks.

Flexible Licensing

Seamlessly upgrade software from Network Essentials to Network Advantage for full dynamic routing and BGP.

03 / PROCUREMENT

Ordering and Stock Guidance

Verify network topology, required transceiver modules (1G/10G/25G SFP28), power supply redundancy, and software license levels prior to placing an order. Contact NexoGet for current commercial pricing, configuration guidance, and global inventory status.

Important: Network uplink modules, transceiver optic optics, and StackWise cables are sold separately depending on deployment requirements.

04 / PACKAGING

Dimensions, Weight and Shipping Information

The standard shipping specifications for the Cisco Catalyst C9300X-12Y-E include full protective factory packaging for safe international freight.

Chassis Dimensions	4.4 × 44.5 × 48.8 cm (1.73 × 17.5 × 19.2 inches)
Net Switch Weight	7.25 kg (16.0 lb)
Shipping Carton Dimensions	Approx. 61.0 × 56.0 × 13.0 cm
Gross Shipping Weight	Approx. 7.50 kg (16.5 lb)

05 / USE CASES

Where Cisco C9300X-12Y-E Fits Best

Enterprise Core & Aggregation

Ideal for centralizing floor access links with multi-gigabit fiber connections and 1 Tbps stack throughput.

High-Security Environments

Built-in 256-bit MACsec encryption secures data in transit across campus fiber backbones.

Cloud-Managed Networks

Full integration with Cisco Catalyst Center for automated management and telemetry analytics.

06 / NEXOGET

Request a Quote from NexoGet

NexoGet supplies authentic, brand-new Cisco networking equipment with fast international delivery and full warranty backing. Contact our sales team for hardware stock status, custom configuration, and competitive wholesale pricing.

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Need a quote for Cisco C9300X-12Y-E?

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

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