

CISCO CATALYST 9300X SERIES

Cisco Catalyst C9300X-24HX

24-Port 10G UPOE+ Switch

The Cisco Catalyst C9300X-24HX is an enterprise-class, stackable access switch featuring 24 multigigabit Ethernet ports supporting speeds up to 10 Gbps, Cisco UPOE+ power delivery, modular uplinks and StackWise-1T stacking. It is designed for high-performance campus networks, demanding wireless access deployments and connected enterprise devices.

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24

10G Multigigabit Ports

90W

UPOE+ Per-Port Capability

735W

Published PoE Budget with 1100W AC PSU

1T

StackWise-1T Technology

PRODUCT OVERVIEW

High-Performance Multigigabit Enterprise Switching

The Cisco Catalyst C9300X-24HX combines high-speed copper connectivity, advanced power delivery and modular uplink flexibility in a rack-mountable enterprise switch. Its multigigabit ports support modern access points and other bandwidth-intensive devices, while Cisco's Catalyst architecture provides a platform for managed campus access and network segmentation.

10G

24 Multigigabit Ports

Connect compatible devices at 100 Mbps, 1G, 2.5G, 5G or 10G over supported copper Ethernet connections.

90W

Cisco UPOE+

Supports high-power PoE applications, including compatible wireless access points, collaboration endpoints and other powered network devices.

MOD

Modular Uplinks

A modular network-module design enables supported uplink options to be selected for the network's aggregation and distribution requirements.

1T

StackWise-1T

StackWise-1T technology supports high-capacity stacking in supported configurations. Required cables and compatible components must be selected separately where applicable.

SEC

Enterprise Network Security

Cisco Catalyst platforms provide enterprise security and segmentation capabilities. Exact features depend on the software release, configuration and license level.

IOS

Cisco IOS XE

The Catalyst 9300X platform runs Cisco IOS XE, supporting enterprise switching, operational management and software-based network services.

01 / TECHNICAL SPECIFICATIONS

Cisco C9300X-24HX Detailed Specifications

Core platform specifications are based on Cisco's Catalyst 9300 Series documentation. Orderable suffixes, licenses, power supplies and installed modules can affect the final configuration.

Manufacturer	Cisco Systems, Inc.
Product Family	Cisco Catalyst 9300X Series
Model	C9300X-24HX
Product Type	Managed, Stackable Enterprise Ethernet Switch
Downlink Ports	24 Multigigabit Ethernet ports
Port Connector	RJ-45 copper Ethernet
Ethernet Port Speeds	100 Mbps / 1G / 2.5G / 5G / 10G
Maximum Access Port Speed	10 Gbps per port

PoE Technology	Cisco UPOE+
Maximum PoE Per Port	Up to 90W, subject to supported port and power configuration
Published PoE Budget	735W with the specified 1100W AC power-supply configuration
Uplink Architecture	Modular uplinks; compatible network module required
Network Module Compatibility	Supported Cisco Catalyst 9300X network modules; verify module compatibility before ordering
Stacking Technology	StackWise-1T
Power Stacking	StackPower+ support
Default AC Power Supply	1100W AC, as listed for this model family configuration
Operating System	Cisco IOS XE
Management	Enterprise managed switching; available methods depend on software and configuration
Deployment	Enterprise campus, high-speed access and multigigabit edge networks
Form Factor	Rack-mountable
Rack Height	1U

Dimensions (H × W × D)	4.4 × 44.5 × 44.7 cm, as listed in Cisco's hardware installation guide; confirm the selected PSU and installed configuration before rack planning
Published Weight	6.25 kg with default power supply, as listed in the Cisco Catalyst 9300 Series data sheet
Package Dimensions	Not verified; measure the actual shipping carton
Shipping Weight	Not verified; confirm from the packed unit or shipping label

Configuration note: Cisco documentation may list different chassis depths depending on whether dimensions refer to the chassis alone or a particular power-supply configuration. Confirm the exact hardware SKU, installed PSU and accessories before finalizing rack clearances or shipping details. The carton dimensions and shipping weight above have deliberately not been estimated.

02 / PERFORMANCE AND CONNECTIVITY

Built for High-Speed Network Access

The C9300X-24HX is intended for environments where conventional Gigabit access is no longer sufficient for every endpoint. Multigigabit copper ports allow supported devices to negotiate higher link speeds without requiring fiber connectivity to every endpoint.

Multigigabit Edge Connectivity

The 24 copper ports support multiple Ethernet speeds up to 10 Gbps, allowing network teams to connect compatible access points, workstations and other high-throughput endpoints.

Modular Uplink Planning

Select a supported network module based on the required uplink speed, fiber or copper media, aggregation design and existing switching infrastructure.

Enterprise Access Layer

The switch is designed for managed campus networks requiring centralized administration, policy enforcement and integration with a broader Cisco switching design.

High-Power Endpoints

UPOE+ helps power compatible devices over Ethernet, potentially reducing the need for separate local power adapters. Actual available power depends on the complete switch power configuration and load.

03 / POWER OVER ETHERNET

Cisco UPOE+ for Powered Network Devices

Power over Ethernet allows supported endpoints to receive electrical power and data over the Ethernet cable. The C9300X-24HX supports Cisco UPOE+ and is suitable for deployments using compatible high-power network equipment.

AP

Wireless Access Points

Support compatible high-performance wireless access points that require multigigabit Ethernet and elevated PoE power.

90W

High-Power PoE

UPOE+ supports up to 90W per port where supported by the port, powered device and switch configuration. This does not mean every port can simultaneously deliver 90W.

PWR

Power Budget Planning

Calculate the total demand of connected devices and verify the power-supply configuration, redundancy requirements and available PoE budget before deployment.

Important: The published 735W PoE budget applies to the specified 1100W AC power-supply configuration. Available PoE power can vary with power supplies, redundancy arrangements and the overall system configuration.

04 / ARCHITECTURE

StackWise-1T and Modular Uplinks

The Catalyst 9300X platform supports stacking and modular uplink options to accommodate different campus network designs. The required modules, cables and software features should be confirmed for the intended topology.

StackWise-1T

StackWise-1T is the platform's high-capacity stacking technology. Verify supported stack size, cable requirements and software compatibility for the planned deployment.

Modular Network Modules

Choose a compatible uplink module to match upstream switch interfaces, fiber type, required throughput and network redundancy plans.

Campus Network Integration

The switch can be incorporated into a wider Cisco Catalyst architecture, subject to supported software, licenses, topology and configuration.

Deployment Verification

Confirm the exact model suffix, network module, transceivers, stacking accessories, software release and license level before placing an order.

05 / MANAGEMENT AND SECURITY

Enterprise Switching with Cisco IOS XE

Cisco IOS XE provides the software foundation for supported Catalyst 9300X management and networking capabilities. Available features depend on the installed release, license level, configuration and connected infrastructure.

Network Administration

Segmentation and Policy

Use supported Cisco management interfaces and operational tools to configure interfaces, monitor network status and maintain the switching environment.

Supported Catalyst software and licensing can provide enterprise network segmentation and access-control capabilities for appropriately designed deployments.

Lifecycle Management

Plan software updates, configuration backups, security reviews and compatibility checks according to Cisco's documentation and your organization's maintenance policy.

06 / PRODUCT COMPARISON

C9300X-24HX vs Other Cisco Catalyst Switches

Compare the general port types and intended roles of selected Catalyst platforms. This table is a high-level guide, not a substitute for checking each complete SKU and its supported configuration.

Model

Best-Fit Consideration

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C9300X-24HX

High-speed copper access with high-power PoE
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C9300X-48HX

#Higher-density multigigabit UPOE+ access

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C9300X-48TX

#High-density multigigabit access without the same

8PoE+ port offering

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C9300X-24Y

2Fiber-based connectivity and high-speed optical access

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C9200L Series

Compare specific models for standard campus access requirements

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Selection tip: Check the exact Cisco PID, uplink module, power supply, software license and PoE requirement when comparing switches. Models in the same family may differ substantially in port density and available power.

07 / APPLICATIONS

Where the Cisco C9300X-24HX Fits Best

Enterprise Campus Networks

Deploy high-speed access switching in enterprise environments with demanding bandwidth and power requirements.

High-Performance Wi-Fi

Connect compatible multigigabit wireless access points that benefit from faster Ethernet links and UPOE+ power.

Modern Office Infrastructure

High-Power Edge Devices

Support compatible network-connected devices while providing a managed switching platform for the access layer.

Connect supported powered devices that require elevated PoE levels, subject to power-budget and compatibility checks.

Growing Network Environments

Use modular uplinks and supported stacking features to align the switch with the intended network architecture.

Managed Access Networks

Integrate the switch into a broader Cisco-managed environment with suitable software, licenses and configuration.

08 / INSTALLATION AND PROCUREMENT

Before Ordering Cisco C9300X-24HX

To ensure a suitable deployment, review the following items before purchasing the switch or planning an installation.

Exact Product SKU	Confirm whether the required orderable version is Network Essentials, Network Advantage or another supported offering.
Uplink Module	Confirm whether a network module is included or needs to be ordered separately.
Power Supply	Confirm the included PSU, redundancy requirements and resulting PoE budget.
Stacking Accessories	Verify required compatible cables and accessories for the planned stack.
Software and Licensing	Check feature requirements, license level and software compatibility.

Rack Space	Confirm installed power-supply depth, rack clearance, airflow and power availability.
Shipping Information	Obtain actual carton dimensions and packed weight from the supplied unit or shipping documentation.

Procurement note: The model name alone does not establish the full bundle contents. Verify the seller's exact SKU, condition, included accessories, warranty terms, delivery estimate and support eligibility before ordering.

09 / NEXOGET

Request a Quote for Cisco C9300X-24HX

Contact NexoGet for pricing, stock availability, configuration options and delivery information for the Cisco Catalyst C9300X-24HX. Include your required SKU, uplink module, power-supply arrangement and destination when requesting a quotation.

NexoGet

Need a Quote for Cisco C9300X-24HX?

Contact NexoGet for current pricing, availability, hardware configuration and shipping details for the Cisco Catalyst 9300X enterprise switch.

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