

CISCO CATALYST 9300X SERIES

Cisco Catalyst C9300X-48HXN Enterprise Network Switch

The Cisco Catalyst C9300X-48HXN is an enterprise-class access switch designed for high-performance campus networks, multigigabit connectivity and power-hungry network endpoints. With 48 multigigabit copper ports, Cisco UPOE+ capabilities and modular uplink options, it can support demanding wired access deployments when configured with compatible network modules, software and power supplies.

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48

Multigigabit Copper Ports

8 × 10G

10G-Capable Ports

40 × 5G

5G-Capable Ports

UPOE+

Power over Ethernet Support

PRODUCT OVERVIEW

High-Performance Multigigabit Connectivity for Enterprise Networks

The Cisco Catalyst C9300X-48HXN is designed for enterprise access environments that require higher access-port bandwidth, power delivery and flexible uplink choices. It is suited to campus networks where wireless access points, collaboration devices and other network endpoints may need more than conventional Gigabit Ethernet.

48P

48 Multigigabit Ports

Provides 48 copper access ports with supported multigigabit speeds. The maximum speed depends on the individual port and connected device.

10G

High-Speed Access

The port configuration includes eight 10G-capable ports and 40 ports supporting speeds up to 5G, helping accommodate high-bandwidth enterprise endpoints.

PoE

Cisco UPOE+

UPOE+ support can provide power to compatible connected devices. Actual available PoE budget depends on the power-

UP

Modular Uplinks

Modular uplink architecture allows the switch to be configured with a compatible uplink module to match network aggregation requirements.

supply configuration and the overall switch load.

SEC

Enterprise Network Access

Cisco Catalyst software features can support enterprise access, segmentation, policy enforcement and network-management workflows, depending on the software release and licensing.

STK

Stacking Capabilities

Compatible Cisco StackWise configurations can help simplify management and expand a campus access deployment. Verify the supported stacking arrangement for the intended configuration.

01 / TECHNICAL SPECIFICATIONS

Cisco C9300X-48HXN Detailed Specifications

Review the key hardware details below. Confirm the exact ordering SKU, power-supply selection, uplink module, software and licensing before purchase.

Specification	Details
Manufacturer	Cisco Systems, Inc.
Product Family	Cisco Catalyst 9300X Series
Model	C9300X-48HXN
Product Type	Enterprise managed access switch
Total Access Ports	48 multigigabit copper ports

Specification	Details
Port Configuration	8 × 10G-capable ports and 40 × 5G-capable ports
Port Connector	RJ-45 copper Ethernet
Port Speed	Multigigabit Ethernet; maximum supported speed varies by port
PoE Technology	Cisco UPOE+
Uplink Architecture	Modular uplinks; compatible module required
Switching Capacity	960 Gbps standalone, as listed in the referenced product specifications
Forwarding Rate	714.24 Mpps standalone, as listed in the referenced product specifications
Stacking	Cisco StackWise technology; verify the supported configuration and performance figures
Default AC Power Supply	1100W configuration, subject to the ordered hardware SKU
Rack Form Factor	1U rack-mount switch
Chassis Height	Approximately 4.4 cm / 1.73 inches
Chassis Width	Approximately 44.5 cm / 17.5 inches

Specification	Details
Chassis Depth	Approximately 52.4 cm / 20.63 inches with the default power supply configuration
Chassis Weight	Confirm against the exact hardware and power-supply configuration; official Cisco documents may state different figures by configuration or measurement basis
Installation	Rack installation using compatible mounting hardware
Management	Cisco Catalyst software and supported management tools
Deployment	Enterprise campus access and high-performance wired networks

Specification note: Switching capacity, forwarding performance, PoE budget, stacking performance and power consumption can depend on the exact hardware configuration and Cisco documentation version. Verify the relevant Cisco data sheet before using these values for a final engineering design. The dimensions above describe the switch configuration, not the shipping carton.

02 / ENTERPRISE APPLICATIONS

Where the Catalyst C9300X-48HXN Fits Best

The switch is intended for demanding enterprise access environments where multigigabit bandwidth, PoE and modular uplink flexibility are important selection criteria.

HQ

WLAN

Enterprise Campuses

Supports high-density access-layer connectivity in corporate headquarters, office campuses and large business facilities.

Wireless Access Networks

Multigigabit access and UPOE+ can help support compatible high-performance wireless access points. Check the requirements of each access point.

COL

Collaboration Devices

PoE-capable Ethernet access can simplify the connection of compatible collaboration endpoints and other powered network devices.

IT

IT and Engineering Teams

A managed Catalyst platform can support centralized enterprise networking operations when deployed with compatible software and tools.

SEC

Policy-Based Access

Supported Catalyst capabilities can help organizations implement access policies and network segmentation according to their design.

UP

Aggregation Uplinks

A compatible modular uplink can connect the access switch to an aggregation or distribution layer at the required network speed.

03 / CHOOSING THE RIGHT SWITCH

C9300X-48HXN Compared with Other Cisco Catalyst Models

Compare the product families by port type, intended deployment and expansion approach. Check each exact SKU's data sheet before choosing.

Model	General Positioning
C9300X-48HXN	48-port multigigabit access switch with UPOE+ and modular uplinks
C9300X-48TX	Catalyst 9300X switch option for high-performance copper access; verify its specific port configuration
C9300X-48HX	Related Catalyst 9300X model family; confirm the exact SKU and feature differences
C9300X-24Y	Related Catalyst 9300X model with a different high-speed port configuration
C9200L Series	Alternative access-switch family for deployments with different performance and budget requirements
C1300 Series	Alternative managed-switch family for small and midsize business network requirements

Selection tip: These product families are not direct one-to-one replacements. Compare port speeds, PoE requirements, uplink compatibility, stacking, software features, licensing and total power budget before making a decision.

04 / RELATED PRODUCTS

Explore Related Cisco Network Hardware

Browse related Cisco switches and components available across the NexoGet catalog. Confirm platform compatibility before ordering any network module or accessory.

Cisco Catalyst C9300X-48TX Switch

Cisco Catalyst C9300X-48HX Switch

Cisco Catalyst C9300X-12Y-E Switch

Cisco Catalyst C9300X-24Y-E Switch

Cisco Catalyst C9300-24S-E Switch

Cisco Catalyst C9500-48Y4C-E-2 Switch

Cisco C9200L-24PXG-4X Switch

Cisco C9200L-48PXG-4X Switch

Cisco C9200L-24PXG-2Y Switch

Cisco C9200L-48PXG-2Y Switch

Cisco C9200-NM-2Y Network Module

Cisco C9200-NM-2Q Network Module

Cisco C9200-NM-4G Network Module

Cisco C9200-NM-4X Network Module

Cisco C9200CX-12P-2X2G Switch

Cisco C9200CX-8P-2X2G Switch

Cisco C1300X-24T-4X Switch

Cisco C1300X-48T-4X Switch

Cisco C1300X-24P-4X Switch

Cisco C1300X-48P-4X Switch

Cisco C1300X-10NU-2X Switch

What Is a Cisco Switch?

Explore Cisco Networking Products

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Compatibility notice: The C9200-NM modules listed above are for compatible Catalyst 9200 platforms. Do not assume they fit the C9300X-48HXN. Select uplink modules specifically supported by the Catalyst 9300X platform and the exact switch SKU.

What to Check Before Ordering

Exact product SKU: Confirm C9300X-48HXN and the complete ordering configuration before purchase.

Uplink module: Check whether the required uplink module is included or must be ordered separately. Confirm compatibility with the selected switch and intended link speed.

PoE budget: Calculate the combined power requirements of connected access points, phones, cameras and other powered devices. The available PoE budget depends on the power configuration and system load.

Power and cooling: Verify input-power requirements, selected power supplies, redundancy requirements, rack airflow and installation clearances.

Software and licensing: Confirm the required Cisco software release, license entitlements, management platform and feature compatibility.

Shipping details: Chassis dimensions are not the same as carton dimensions. Confirm the packed weight and shipping-carton measurements separately.

Availability: Ask NexoGet to confirm stock status, condition, included accessories and delivery options for the exact requested configuration.



Need Pricing or Availability for C9300X-48HXN?

Contact NexoGet for pricing, stock availability, hardware configuration, uplink options, product condition, shipping details and enterprise networking quotations.

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