

CISCO CATALYST 9200L SERIES

Cisco C9200L-24PXG-2Y Multigigabit PoE+ Switch

The Cisco Catalyst C9200L-24PXG-2Y is an enterprise access switch designed for high-performance wired networks, wireless access points, IP phones, cameras and other powered devices. It combines 24 PoE+ copper ports, including eight multigigabit ports supporting speeds up to 10G, with two fixed 1/10/25G SFP28 uplinks and StackWise-80 stacking capabilities.

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24

PoE+ Copper Access Ports

8 × 10G

Multigigabit Ports, Maximum Supported Rate

2 × 25G

Fixed SFP28 Uplink Interfaces

740W

Maximum PoE Budget, Configuration Dependent

PRODUCT OVERVIEW

High-Performance Enterprise Access Networking

The Cisco Catalyst C9200L-24PXG-2Y is built for enterprise networks that need multigigabit access, Power over Ethernet and high-speed uplink connectivity. Its combination of 1G and multigigabit copper interfaces enables organizations to connect conventional Ethernet endpoints alongside devices that benefit from higher access speeds.

24P**24 PoE+ Access Ports**

Connect compatible access points, IP phones, surveillance cameras and other IEEE-compliant powered network devices.

10G**Multigigabit Connectivity**

Eight copper interfaces support multigigabit Ethernet speeds up to 10Gbps, subject to endpoint and cabling support.

25G**Dual 25G Uplinks**

Two fixed SFP28 uplink interfaces support compatible 1G, 10G and 25G optics or direct-attach connections.

PoE**Power over Ethernet Plus**

IEEE 802.3at PoE+ supports compatible powered endpoints. Available power depends on the installed power supply and the switch power budget.

STK**StackWise-80**

Stackable architecture supports compatible switch stacking to simplify access-layer expansion and management.

SEC**Enterprise Network Security**

Supported Cisco IOS XE capabilities include access control, network segmentation and security features according to software release and license level.

01 / TECHNICAL SPECIFICATIONS

Cisco C9200L-24PXG-2Y Detailed Specifications

Technical overview based on Cisco Catalyst 9200 Series documentation. Confirm the exact ordering SKU, license, power supply and included accessories before purchase.

Specification	Details
Manufacturer	Cisco Systems, Inc.
Product Family	Cisco Catalyst 9200L Series
Model	C9200L-24PXG-2Y
Product Type	Stackable enterprise Layer 2/Layer 3 access switch
Access Ports	24 × Ethernet copper PoE+ ports
Multigigabit Ports	8 × 100M/1G/2.5G/5G/10G-capable copper ports
Standard Gigabit Ports	16 × 10M/100M/1G copper ports

Specification	Details
Uplink Interfaces	2 × fixed 1/10/25G SFP28 uplink ports
Uplink Media	Compatible SFP/SFP+/SFP28 transceivers or supported direct-attach cables
PoE Standard	IEEE 802.3af PoE and IEEE 802.3at PoE+
Maximum PoE Budget	Up to 740W, depending on the power configuration
Power Supply	600W-class Cisco Catalyst 9200L power-supply configuration; verify the actual PSU included with the order
Power Supply Slots	2 power supply bays; redundancy and available PoE power depend on the installed supplies
Cooling	Fixed fan configuration
Stacking Technology	Cisco StackWise-80
Switching Architecture	Cisco Catalyst 9200L hardware platform with UADP 2.0 Mini ASIC architecture
Operating System	Cisco IOS XE
Management	Supported CLI, SNMP, telemetry and web/API management options depending on software release and configuration
Network Features	VLANs, QoS, ACLs, routing and other supported enterprise features according to software release and license

Specification	Details
Network Modules	Fixed uplink design; the two SFP28 interfaces are integrated into the switch
Rack Installation	1U rack-mountable chassis
Chassis Dimensions (H × W × D)	4.4 × 44.5 × 35.0 cm, chassis dimensions
Installed Depth	Approximately 39.1 cm with front-end panel and fan configuration as specified by Cisco
Shipping Dimensions	Not officially specified here; confirm the carton dimensions with the supplier
Shipping Weight	Not officially specified here; verify the packed weight with the supplier
License Variants	C9200L-24PXG-2Y-E (Network Essentials) and C9200L-24PXG-2Y-A (Network Advantage)
Typical Applications	Enterprise access, multigigabit Wi-Fi infrastructure, IP telephony, cameras and campus networks

Specification note: The maximum PoE budget is a platform/configuration figure, not a guarantee that every power-supply arrangement delivers the same usable power. Verify the PSU part number, redundancy configuration and actual PoE budget with Cisco documentation before deployment.

02 / PORTS AND CONNECTIVITY

Multigigabit Access with 25G Fiber Uplinks

The port layout combines conventional Gigabit Ethernet connectivity with eight multigigabit ports for compatible high-speed endpoints. The two SFP28 uplinks can connect the access switch

to a distribution or core layer.

1G

Everyday Ethernet Devices

The 16 standard Gigabit copper ports accommodate compatible PCs, printers, phones and other endpoints.

MG

High-Speed Access Points

The eight multigigabit interfaces can support compatible access points and devices requiring higher Ethernet rates.

SFP

Fiber and Direct-Attach Uplinks

Use compatible SFP-family optics or direct-attach cables for supported upstream connectivity. Check Cisco compatibility guidance before selecting transceivers.

03 / POWER OVER ETHERNET

PoE+ for Enterprise Edge Devices

Power over Ethernet allows supported network endpoints to receive data and electrical power over a compatible Ethernet connection. The available power for all connected devices depends on the installed power supplies and total PoE demand.

PoE Consideration	Details
Supported Technology	IEEE 802.3af PoE and IEEE 802.3at PoE+
Connected Devices	Compatible wireless access points, IP phones, cameras and other powered Ethernet devices

PoE Consideration	Details
Power Allocation	Depends on the device requirements, port configuration and switch power budget
Power Redundancy	Depends on the installed power supplies and supported power configuration
Deployment Recommendation	Calculate the total endpoint power requirement before selecting the PSU configuration

Planning tip: Do not calculate the total PoE capacity by simply multiplying the number of ports by the maximum power of a single port. The overall switch power budget and PSU arrangement determine how much power can be delivered simultaneously.

04 / STACKING AND MANAGEMENT

Designed for Scalable Campus Access

StackWise-80 supports stacking with compatible Catalyst 9200L models. Cisco IOS XE provides the software foundation for supported switching, management and security features. Feature availability depends on the selected license and software release.

80

StackWise-80 Technology

Stack supported switches to simplify management and expand access-layer capacity. Check model compatibility and stacking requirements before ordering additional units.

XE

Cisco IOS XE

Enterprise network operating software supports the switch's documented features, configuration workflows and management interfaces.

ACL

Network Control

Apply supported VLAN, QoS, access-control and network segmentation functions according to the software and licensing configuration.

05 / APPLICATIONS

Where the Cisco C9200L-24PXG-2Y Fits Best

ENT

Enterprise Offices

Support business workstations, network printers, phones and other office endpoints with centralized access switching.

WLAN

Wi-Fi 6 and Higher-Speed WLAN

Multigigabit access can accommodate compatible wireless access points that need more than standard Gigabit Ethernet.

CCTV

IP Surveillance

Connect compatible PoE cameras and network video infrastructure, subject to power and bandwidth requirements.

VOIP

IP Telephony

Supply Ethernet connectivity and supported PoE power to compatible Cisco and third-party IP phones.

HQ

Campus Networks

IT

Managed IT Environments

Deploy as an access-layer switch connected to a compatible distribution or core network through high-speed uplinks.

Suitable for organizations that need managed switching, network segmentation and a scalable access architecture.

06 / MODEL COMPARISON

C9200L-24PXG-2Y vs Similar Catalyst Models

Compare the access-port layout and uplink options before selecting a switch for a new installation or network upgrade.

Model	Key Differences
C9200L-24PXG-2Y	24 PoE+ ports, 8 multigigabit ports up to 10G, 16 Gigabit ports and 2 × 25G uplinks
C9200L-24PXG-4X	Similar 24-port multigigabit access configuration with 4 × 1/10G fixed uplinks
C9200L-48PXG-2Y	48-port model with 8 multigigabit ports, 40 Gigabit ports and 2 × 25G uplinks
C9200L-24P-4X	24 Gigabit PoE+ ports with 4 × 1/10G uplinks; not the same multigigabit access-port layout

Selection guidance: Choose the C9200L-24PXG-2Y when eight multigigabit access interfaces and dual 25G uplinks match the network design. A standard Gigabit model may be more economical when endpoint devices do not require multigigabit connectivity.

07 / ORDERING INFORMATION

License, Power Supply and Compatibility Checks

The exact product configuration should be verified before purchasing, particularly for enterprise installations with specific software, power or uplink requirements.

Item	What to Verify
Base Model	C9200L-24PXG-2Y
Network Essentials	C9200L-24PXG-2Y-E ordering variant
Network Advantage	C9200L-24PXG-2Y-A ordering variant
Power Supply	Confirm the exact PSU part number, wattage and included power cord
Optics	Confirm the required speed, fiber type, distance, connector and Cisco compatibility
Stacking	Confirm supported stacking accessories, compatible models and required cables
Software	Verify IOS XE version, licensing and required feature support
Package Contents	Confirm rack accessories, power cords, transceivers and any optional items with the seller
Condition	Confirm new, refurbished or other stated condition, warranty and serial-number status
Shipping	Request the packed dimensions, gross weight, destination coverage and delivery estimate

Important ordering note: The -E and -A suffixes identify different software license packages. Verify the required feature set and entitlement. Also confirm that the quoted unit includes the intended power supply, power cord and rack-mount accessories. Do not assume optional optics or stacking accessories are included.

Deployment Checklist

Port requirements: Confirm that the network needs eight multigigabit ports and two 25G-capable uplinks.

PoE power: Calculate the combined power demand of access points, cameras, phones and other powered endpoints.

Uplink compatibility: Select supported SFP/SFP+/SFP28 optics or direct-attach cables according to link speed, fiber type and distance.

Licensing: Confirm whether Network Essentials or Network Advantage meets the required software feature set.

Installation: Verify rack space, airflow, electrical supply, grounding and any stacking requirements.

Shipping: Request the actual packed weight and carton dimensions from the supplier before arranging international freight.

Availability: Contact NexoGet to confirm stock, condition, warranty, included accessories and delivery options.



Need Pricing or Availability for C9200L-24PXG-2Y?

Contact NexoGet for current pricing, stock availability, licensing options, power supply configuration, compatible accessories, warranty information and international shipping quotations for the Cisco Catalyst C9200L-24PXG-2Y Switch.

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