

— CISCO CATALYST 9300 SERIES

Cisco Catalyst Switch

C9300-24P

The Cisco Catalyst C9300-24P is an enterprise-class 24-port Gigabit PoE+ stackable switch engineered for cloud, security, mobility, and IoT. Powered by Cisco Open IOS XE and UADP ASIC architecture, it provides 480 Gbps stacking bandwidth, advanced Layer 2/3 capabilities, and hardware-based encryption.

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24 Ports

1G RJ45 PoE+

445W

Default PoE Budget

480 Gbps

StackWise Bandwidth

128 Gbps

Switching Capacity

PRODUCT OVERVIEW

Enterprise Connectivity, Security and Performance

Designed for modern workplace infrastructure, the Cisco C9300-24P delivers scalable PoE+ power for high-density access point deployments, IP telephony, and smart building management with seamless network automation capabilities.

POE+

Full PoE+ Support

24 Gigabit ports deliver IEEE 802.3at PoE+ (up to 30W per port) for powering IP phones, Wi-Fi 6 APs, and cameras.

480G

StackWise-480

Stack up to 9 units operating as a single unified switch with 480 Gbps throughput and high availability.

SEC

Advanced Security

Hardware-based Encrypted Traffic Analytics (ETA), AES-128 MACsec, and Secure Boot prevent security breaches.

MOD

Modular Uplinks

Flexible network modules support 1G, 10G, 25G, and 40G uplinks to connect seamlessly to core networks.

PWR

XE

StackPower Technology

Shares power dynamically across stacked units to ensure power resiliency without extra external supplies.

Cisco Open IOS XE

Programmable OS supporting model-driven telemetry, enterprise automation, and Cisco DNA Center integration.

01 / TECHNICAL SPECIFICATIONS

Cisco C9300-24P Detailed Specifications

The technical parameters below reflect standard Cisco documentation for the Catalyst C9300-24P switch.

Manufacturer	Cisco Systems, Inc.
Product Line	Cisco Catalyst 9300 Series
Model	C9300-24P
Product Type	Managed Enterprise Stackable Switch
Total Ethernet Ports	24x 10/100/1000 Gigabit RJ45
Power over Ethernet	PoE+ (IEEE 802.3at), up to 30W per port
PoE Budget	445W (Default) / Expandable up to 720W with dual power supplies
Default Power Supply	715W AC (PWR-C1-715WAC-P)
Switching Capacity	128 Gbps (176 Gbps with stacking)
Forwarding Rate	154.76 Mpps

Stacking Technology	Cisco StackWise-480 (Supports up to 9 units)
Stacking Bandwidth	480 Gbps
DRAM Memory	8 GB
Flash Memory	16 GB
Uplink Support	Modular slot (Supports optional 1G, 10G, 25G, 40G network modules)
Operating System	Cisco Open IOS XE
Management Protocols	CLI, SNMP v1/v2c/v3, Cisco DNA Center, NETCONF, RESTCONF, WebUI
Security Features	Encrypted Traffic Analytics (ETA), AES-128 MACsec, Secure Boot, Trust Anchor
Resiliency	Dual redundant power supply slots, field-replaceable fan modules, StackPower
Form Factor	1U Rack-Mountable
Operating Temperature	-5°C to 45°C (23°F to 113°F)

02 / DEPLOYMENT

Architecture, Software and Deployment

The C9300-24P is built to serve as the core backbone for enterprise access networks. Operating on subscription-based Cisco DNA licensing (Essentials or Advantage), it supports centralized

cloud management, SD-Access segmentation, dynamic routing protocols (OSPF, BGP), and advanced network analytics.

Smart Workspaces

Power IP telephony, HD video endpoints, and smart IoT controllers directly via 24 Gigabit PoE+ ports.

High-Availability Stacking

StackWise-480 and StackPower provide uninterrupted performance during individual unit or power supply maintenance.

Flexible Uplink Speed

Easily adapt to core distribution changes by upgrading uplink network modules without replacing the switch.

03 / PROCUREMENT

Licensing & Procurement Note

When purchasing the Cisco C9300-24P switch, verify your Cisco DNA license tier (Essentials vs. Advantage), optional uplink module choice, and power supply redundancy requirements according to your active device load.

Important: Ensure compatibility between selected network uplink modules, power supply configurations, and target Cisco DNA Center software releases before deployment.

04 / PACKAGING

Dimensions, Weight and Package Information

Below are the official hardware dimensions along with estimated shipping carton details for logistical planning.

Product Dimensions (H x W x D)	4.4 x 44.5 x 44.9 cm (1.73 x 17.5 x 17.7 inches)
Product Net Weight	7.26 kg (16.0 lbs)
Package Shipping Dimensions	Approx. 60.96 x 48.26 x 15.24 cm
Package Gross Weight	Approx. 8.5 kg (including power cable and rack-mount kit)

05 / USE CASES

Ideal Applications for C9300-24P

Enterprise Access Layer

Ideal for corporate offices requiring secure Gigabit connectivity for desktop PCs and VoIP phones.

Wi-Fi 6 AP Aggregation

Delivers robust 30W PoE+ power budget to sustain high-density wireless access point installations.

Secure Campus Networks

Integrated MACsec encryption and Cisco SD-Access policy segmentation shield sensitive data traffic.

06 / NEXOGET

Why Choose NexoGet?

NexoGet supplies authentic Cisco networking solutions with fast global shipping and expert technical support. Contact us today for competitive commercial quotes, inventory availability, and hardware configuration assistance.

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Need a quote for Cisco C9300-24P?

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+971 50 516 6272

info@nexoget.com

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