

— CISCO CATALYST 9300 SERIES

Cisco Catalyst C9300-24U

Enterprise Switch

The Cisco Catalyst C9300-24U is a leading stackable enterprise access switch designed for high-density IoT, Wi-Fi 6/6E deployments, and secure intent-based networking. Featuring 24 ports of Cisco Universal Power over Ethernet (UPoE up to 60W per port), StackWise-480 high-availability architecture, and modular uplink flexibility.

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24

1GbE UPoE Ports (Up to 60W)

480 G

StackWise-480 Bandwidth

208 Gbps

Switching Capacity

UADP 2.0

Custom ASIC Architecture

PRODUCT OVERVIEW

Enterprise Performance with Advanced UPoE Power

Built for intent-based networking, the C9300-24U combines high-speed switching, enterprise security, and robust power delivery. It supports demanding edge endpoints including Wi-Fi 6 access points, smart building sensors, and advanced security cameras.

UPoE**Cisco UPoE Power**

Delivers up to 60W of power per port across all 24 ports, ideal for high-power IoT and wireless APs.

STK**StackWise-480**

Enables high-availability stacking up to 8 units with 480 Gbps of stacking bandwidth.

PWR**StackPower**

Intelligent power pooling across stacked switches for seamless power redundancy.

MOD**Flexible Uplinks**

Supports hot-swappable network modules including 1G, 10G, 25G, and 40G options.

SEC**SDN**

Advanced Security

Hardware-anchored Secure Boot, Trust Anchor module, and 256-bit MACsec encryption.

Cisco SD-Access

Seamless integration with Cisco Catalyst Center for automated provisioning and security.

01 / TECHNICAL SPECIFICATIONS

Cisco C9300-24U Detailed Specifications

The following technical parameters outline the core architecture and capabilities of the C9300-24U platform.

Specification	Details
Manufacturer	Cisco Systems, Inc.
Product Family	Cisco Catalyst 9300 Series
Product Model	Cisco Catalyst C9300-24U Switch
Product Type	Managed Stackable Enterprise Access Switch
Total 10/100/1000 Ports	24 x RJ-45 Gigabit Ethernet
Power over Ethernet (PoE)	Cisco UPoE (Up to 60W per port), IEEE 802.3bt / PoE+ / PoE
Switching Capacity	208 Gbps
Forwarding Rate	154.76 Mpps
Stacking Bandwidth	480 Gbps (Cisco StackWise-480)

Specification	Details
Maximum Stack Units	Up to 8 switches
ASIC Architecture	Unified Access Data Plane (UADP) 2.0
CPU & Memory	x86 CPU, 8 GB DRAM, 16 GB Flash Memory
Uplink Modules	Modular Network Modules (Optional 1G, 10G, 25G, 40G)
Power Supplies	Dual Redundant, Hot-Swappable Power Supplies (Default 1100W AC)
Fan Modules	3 Redundant, Hot-Swappable Fan Modules
Encryption Support	AES-256 MACsec Line-Rate Encryption
Software Operating System	Cisco IOS XE Enterprise Edition
Management & Automation	Cisco Catalyst Center (DNA), CLI, SNMP, NETCONF/YANG
Warranty	Cisco Enhanced Limited Lifetime Warranty

02 / LICENSING AND ARCHITECTURE

Software Licensing and Deployment

Cisco Catalyst 9300 switches operate on a subscription-based licensing model covering Network Essentials/Advantage and Cisco DNA Essentials/Advantage.

Important: Ensure you verify your required software license tier (Network and DNA packages) along with your uplink module choice (such as 10G SFP+ or 25G SFP28 modules) before final deployment.

03 / USE CASES

Ideal Deployment Scenarios

ENT

Enterprise Campus Access

High-performance core and distribution switching for corporate headquarters and branch offices.

IOT

Smart Buildings & IoT

Powering smart LED lighting, automated shades, sensors, and IP cameras via UPoE.

WIFI

Wi-Fi 6 & 6E Networks

Providing robust 60W power to multi-gigabit wireless access points without power degradation.

04 / IMPORTANT INFORMATION

Before You Order

SKU & Bundles: Verify exact part numbers including power supply options and network module selections.

Power & Cabling: Confirm power cord requirements and stacking cable availability for your rack setup.

Availability: Contact NexoGet to confirm current stock status, hardware condition, and global delivery schedules.



Need Pricing or Availability for Cisco C9300-24U?

Contact NexoGet for pricing, stock availability, product condition, accessories, shipping options and enterprise IT hardware quotations.

 **+971 50 516 6272**

 **info@nexoget.com**



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