



# Cisco

# C9300X-24Y-E

## Datasheet

## Product Overview

- Cisco Catalyst 9300 Series switches are the leading stackable enterprise access platform. Part of the Catalyst 9000 family, they transform your network for a hybrid world.
- These switches are perfect for environments where workplaces are distributed, endpoints vary, and applications are widely hosted. Ideal for small and large hybrid workforces.
- Key features include up to 1TB stacking bandwidth, flexible 100G, 40G, 25G, Multigigabit, 10G, and 1G modular uplinks, and backward-compatible mixed stacking with fiber and Multigigabit models.
- This series supports dense 90W UPOE+ ports, enabling up to 48 ports standalone or 384 ports in an 8-member stack. Stack Power adds power resiliency.
- Management flexibility lets you choose between on-premises, virtual, or cloud. Enhanced application hosting is facilitated with 2x capacity and additional RAM, including 2 x 10G AppGig Ports.
- Perfect for modern IT demands, these switches simplify management, secure connections and offer investment protection. Ideal for efficient, scalable, and secure networking solutions.

## Product Highlights

- **Ultra-High Stacking Bandwidth:** With up to 1TB of stacking bandwidth, Cisco Catalyst 9300X-24Y-E is perfect for the most demanding networks.
- **Flexible Uplink Options:** Offers 100G, 40G, 25G, Multigigabit, 10G, and 1G modular uplinks, providing unparalleled flexibility in network design.
- **Backward-Compatible Stacking:** Mixed stacking with Catalyst 9300 and 9300X Multigigabit models ensures seamless integration and scalability.
- **Enhanced Application Hosting:** With double the capacity and additional RAM, Catalyst 9300X supports multiple high-performance applications.

## Detailed Features



C9300X-24Y-E

 [Quote](#) | [Help](#)

Component	Specification
Switching Capacity	640 Gbps
Forwarding Rate	190 Mpps
Ports	24 × 1G/10G SFP+ uplink ports
Stacking Bandwidth	1TB
Power Supply	Dual redundant power supplies, stackable

Scalability and Performance

Cisco Catalyst 9300X-24Y-E supports a whopping 1TB stacking bandwidth using Stackwise-1T technology. This unparalleled performance caters to high-density, compute-driven environments, enabling rapid scalability and operational agility. The platform's modular uplink options (100G, 40G, 25G, Multigigabit, 10G, 1G) ensure maximum flexibility in network design, allowing businesses to adapt quickly to evolving demands without disruptive upgrades.

Flexible Deployment

The switch provides exceptional deployment flexibility with support for on-premises, virtual, and cloud-based management. This flexible deployment allows organizations to control their networks according to their unique operational needs. Whether managing a private enterprise network or adopting a hybrid cloud approach, Cisco Catalyst 9300X simplifies network management with its versatile design and powerful management tools.

Enhanced Security

With built-in 100G IPsec hardware encryption, the switch ensures ironclad security for data in transit. IPsec tunnels utilizing AES-256 encryption cater to site-to-site and edge connectivity. Additionally, Secure Tunnel connectivity supports encrypted sessions with Secure Internet Gateway and Cloud Service Providers. This multi-layered security approach is essential for protecting sensitive business data and maintaining network integrity.

Advanced Application Hosting

Catalyst 9300X-24Y-E boasts enhanced application hosting capabilities with doubled capacity and additional RAM for optimized performance. It includes 2 x 10G AppGig Ports and Quality-of-Service Application Tuning (QAT). Support for high-performance applications enables businesses to leverage advanced functionalities directly on the switch, driving efficiencies and enhancing overall productivity.

Unified Management

Cisco Catalyst 9300X integrates seamlessly with Cisco DNA Center, providing unified management across wired and wireless networks. This holistic management approach simplifies network operations, reduces troubleshooting time, and enhances user experience. Essential features include network virtualization, segmentation, context-based analytics, and group-based policies all pivotal for streamlined IT operations.

High PoE Density

The switch supports the highest-density 90W UPOE+ ports in the market, with up to 48 ports standalone or 384 ports in an 8-member stack. This capability addresses the growing demand for Power over Ethernet (PoE) to power devices such as IP phones, cameras, and access points. High PoE density ensures efficient energy management and reduces the need for additional power infrastructure.

Investment Protection

Catalyst 9300X features backward compatibility with existing Cisco network components. Redundant power supplies, data stack, and StackPower cables from older Catalyst 9300 models are reusable with the new switch. This design mitigates upgrade costs, protects previous investments, and ensures a smooth transition to advanced networking technologies.

Comprehensive Visual Analytics

End-to-end visualization is achieved with ThousandEyes Network and Application Synthetics, included with Cisco DNA Advantage licenses. This tool provides deep insights into network paths from campus/branch locations to cloud/data centers. Enhanced visibility simplifies troubleshooting and optimizes network performance, ensuring consistent service delivery.

Technical Specifications

Product Specifications

Feature	Value
Product Model	C9300X-24Y-E
Switching Capacity	640 Gbps
Forwarding Rate	190 Mpps
Ports	24 × 1G/10G SFP+ uplink ports
Stacking Bandwidth	1TB
Power Supply	Dual redundant power supplies, stackable
Management Options	Cisco DNA Center, Meraki dashboard, CLI, SNMP



Feature	Value
PoE Support	Up to 48 ports of 90W UPOE+
Application Hosting	2 x 10G AppGig ports, enhanced RAM
Security	100G IPsec, Secure Tunnel connectivity with AES-256
Virtualization	SD-Access, network segmentation
Monitoring	ThousandEyes visualization
JSON	Supported
Encryption	AES-256
Weight	Approx. 7.7 kg
Dimensions (W × D × H)	WxHxD: 44.5 cm x 4.4 cm x 43.2 cm
Operating Temperature	0°C to 45°C
Warranty	Limited lifetime hardware warranty

## Product Comparison

Feature	C9300X-24Y-E	C9300-48P-A	C9200L-48PXG-2Y-A
Switching Capacity	640 Gbps	320 Gbps	176 Gbps
Forwarding Rate	190 Mpps	65.47 Mpps	77.4 Mpps
Ports	24 × 1G/10G SFP+	48 × 10/100/1000Base-T	48 × 10/100/1000Base-T
Stacking Bandwidth	1TB	480 Gbps	80 Gbps
PoE Support	48 ports of 90W UPOE+	48 ports of 90W UPOE+	PoE+
Management Options	Cisco DNA Center, Meraki dashboard, CLI, SNMP	Cisco DNA Center, CLI, SNMP	Web GUI, CLI, PnP
Application Hosting	2 x 10G AppGig ports	No AppGig ports	No AppGig ports

## Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"> <li>- Mounting Bracket</li> <li>- Power Cord</li> <li>- Quick Start Guide</li> </ul>



Category	Accessories
Optional Accessories	<ul style="list-style-type: none"><li>- SFP Transceiver Module</li><li>- Additional Power Supply Unit</li></ul>



## Support & Warranty



24/7 Online  
Service



3-Year Premium  
Warranty



Professional  
Technical Support



100% Low Price  
Guarantee



100% Quality  
Assurance



100% Money  
Back Guarantee

## About Us



Router-switch.com, headquartered in Hong Kong since 2002, has been a trusted global leader in ICT distribution for 23 years. We provide cutting-edge networking, cybersecurity, data center, and AI solutions to meet evolving business needs. Our wide range includes products from top brands like Cisco, Arista, Aruba, Fortinet, Mellanox, and Huawei, ensuring access to the latest technology and innovations.

**18,000+**

global customers

**600,000+**

end-users

**200+**

countries & regions

**23**

years experience

**500+**

global vendors

**100,000+**

SKUs available

**700+**

local sales experts

**50-98%**

off global list prices

## Contact Us

### Email

**High Connectivity:** [sales@router-switch.com](mailto:sales@router-switch.com)

**Expert Technical Support:** [ccie-support@router-switch.com](mailto:ccie-support@router-switch.com)

**Cooperative Partnerships:** [ccie-support@router-switch.com](mailto:ccie-support@router-switch.com)

### Phone

**USA:** +1-626-655-0998

**Hong Kong:** +852-25925389 / +852-25925411

### Follow Us

**Facebook:** [@Routerswitchdotcom](https://www.facebook.com/Routerswitchdotcom)

**LinkedIn:** [Router-switch.com](https://www.linkedin.com/company/router-switch.com)

**X:** [@routerswitchcom](https://twitter.com/routerswitchcom)

**Instagram:** [@routerswitchdotcom](https://www.instagram.com/routerswitchdotcom)

## Global Footprint

Global Warehouses & Service Centers Across Continents.



## Global Branches

### Headquarters (Hong Kong)

Rm 605, 6/F, Fa Yuen Comm Bldg, 75-77 Fa Yuen St, Mongkok, Kowloon, Hong Kong, China

### USA Branch

3592 Rosemead Blvd, B #220, Rosemead, CA 91770, USA

### Shenzhen Branch

Jingfeng Building, 1001 Shangbu South Road, Futian District, Shenzhen, China

### UK Branch

Third Floor, 207 Regent Street, London W1B 3HH, UK



## References

[1] Cisco. (2023). Cisco Catalyst 9300 Series Switches Data Sheet. Retrieved from <https://www.cisco.com/c/en/us/products/collateral/switches/catalyst-9300-series-switches/nb-06-cat9300-ser-data-sheet-cte-en.html#Specifications>