



**Cisco**  
**C9300-48UXM-E**  
**Datasheet**



## Product Overview

- Cisco Catalyst 9300 Series is the flagship stackable access switch line for secure, high-performance enterprise networks.
- Engineered for mid-to-large enterprises and MSPs, it delivers reliable connectivity for offices, campuses, and distributed teams.
- Core features include up to 48 Multigigabit ports, 4 x 10G SFP+ uplinks, and robust stacking bandwidth up to 1 Tbps for scalability.
- Mixed stacking and backward compatibility let you seamlessly build stacks across Catalyst 9300 and 9300X models, supporting network expansion.
- Flexible management options include on-premises, virtual, or complete cloud through Cisco Meraki, enhancing operational agility.
- Ideal for evolving digital workplaces, the Catalyst 9300 empowers secure, automated, and efficient network experiences for hybrid environments.

## Product Highlights

- **High MultiGigabit Access:** 48-port base with support for 2.5G and 12 mGig UPOE ports, delivering high-speed access for advanced client devices.
- **Flexible Uplink Options:** Equipped with 4 x 10G SFP+ uplinks, enabling seamless backbone connection and rapid expansion for diverse environments.
- **StackWise-1T Technology:** Industry-leading stacking delivers up to 1 Tbps bandwidth, ensuring resilient, simplified, and flexible network scaling.
- **Cloud & On-Premises Management:** Cisco DNA Center and Meraki dashboard integration provide unified and centralized device oversight for any deployment.

## Detailed Features



### C9300-48UXM-E

[Quote | Help](#)

Component	Specification
Ports	48 × 2.5G (12 mGig) UPOE
Uplink Interfaces	4 × 10G SFP+
Stacking Bandwidth	Up to 1 Tbps
Power Supply	445W AC



## High-Density Multigigabit Access

C9300-48UXM-E features 48 Multigigabit ports, including 12 mGig UPOE-enabled interfaces, giving unparalleled high-bandwidth access for Wi-Fi 6/6E APs and high-demand devices. The integrated UPOE technology delivers up to 90W per port, supporting demanding endpoints such as smart screens, IoT sensors, and PoE lighting critical for digital workplaces.

## Scalable Stacking with StackWise-1T

The innovative StackWise-1T technology enables the industry's highest-density stacking bandwidth up to 1 Tbps. You can stack up to eight switches for streamlined management, redundancy, and simplified expansion. Mixed stacking supports both Catalyst 9300 and 9300X models, ensuring backward compatibility and investment protection as you scale.

## Robust Security and 100G IPsec Support

Powered by Cisco UADP 2.0sec ASIC, the switch delivers line-rate 100G IPsec encryption, enabling secure edge connectivity for branch, campus, or remote sites. AES-256 encryption and advanced access policies protect critical traffic, ensuring compliance and robust defense against modern threats in enterprise and hybrid environments.

## Flexible and Redundant Power Architecture

StackPower technology allows switches to mutually share power, boosting overall system resilience. Each unit supports dual redundant power supplies and fans, ensuring consistent uptime. The backward-compatible StackPower design enables seamless integration with earlier Catalyst 9300 models, maximizing operational flexibility and lowering total cost of ownership.

## Unified Software-Defined Networking

Integrated with Cisco DNA Center and fully enabled for Software-Defined Access (SD-Access), this switch simplifies policy-based automation, segmentation, and unified device management. Businesses can automate lifecycle tasks from edge to core while gaining granular control via context-aware analytics and group-based security measures.

## Comprehensive Cloud and Hybrid Management

You can migrate management to the Meraki dashboard, uniting powerful on-premises and cloud-based monitoring and configuration. Organizations benefit from a centralized view, robust command-line access, and exceptional troubleshooting with applications like Cisco ThousandEyes, optimizing campus, branch, and remote operations.

## Enhanced Service Hosting and Application Visibility

Intel QuickAssist Technology and expanded RAM let the switch run embedded Cisco Signed applications enabling advanced service hosting on the access layer. It supports tools like Cisco ASAc virtual firewall and ThousandEyes for deep traffic inspection and proactive network assurance, reducing the need for additional hardware.

## Long-term Investment Protection and Adaptability

Redundant fans, dual power supplies, flexible data stacking, and StackPower cabling are compatible with previous Catalyst 9300 generations. Flexible software licensing models and seamless upgrades mean your network can evolve with business needs, safeguarding investments in infrastructure and services.

# Technical Specifications

## Product Specifications

Feature	Value
Form Factor	Rack-mountable
Ports	48
Uplink Interfaces	4 x 10G SFP+
Switching Capacity	480 Gbps
Forwarding Rate	360 Mpps
DRAM	16 GB
Flash Memory	8 GB
Power Supply	445W AC



Feature	Value
Dimensions	44.5 x 48.9 x 4.4 cm
Max Power Consumption	275W
Operating Temperature	0 to 45°C
Relative Humidity	10% to 90%
MTBF	241,450 hours

## Product Comparison

Feature	C9300-48UXM-E	C9300L-48UXG4X-10E	Arista DCS-7010T-48-R
Fixed Ports	48 × 2.5G (12 mGig) UPOE	48 × 1G/2.5G/5G/10G (Multigigabit) + 4 × 10G SFP+	48 × 10/100/1000Base-T
Uplink Interfaces	4 × 10G SFP+	4 × 10G SFP+	4 × 10G SFP+
Stacking Bandwidth	Up to 1 Tbps	Up to 480 Gbps	N/A
Switching Capacity	480 Gbps	400 Gbps	176 Gbps
PoE Capability	UPOE+, up to 90W per port	UPOE, up to 60W per port	PoE+, up to 30W per port
Power Supply Redundancy	Supported	Supported	Optional
Cloud/SDN Management	Cisco DNA Center/Meraki	Cisco DNA Center/Meraki	Arista EOS CloudVision
Security	AES-256, 100G IPsec support	Standard MACSec	Policy-based ACL, MACSec optional
MTBF	241,450 hours	278,000 hours	392,100 hours
Target Scenario	Enterprise access (Wi-Fi 6/ IoT)	Campus/enterprise access	Data center/enterprise aggregation

## Accessories

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



Category	Accessories
Optional Accessories	<ul style="list-style-type: none"><li>- SFP+ Optical Modules</li><li>- Redundant Power Supply</li><li>- StackPower Cable</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. (2024). Cisco Catalyst 9300 Series Switches Datasheet. 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>