



Cisco

C9300-48U-A

Datasheet

Product Overview

- Cisco Catalyst 9300 Series switches are top-level enterprise stackable access switches built to transform your network for the hybrid world.
- Designed for both small and large hybrid workforces, these switches support environments where any device can connect from anywhere.
- Key features include 48 UPOE ports, 256 Gbps switching capacity, and 480 Gbps stacking bandwidth, providing robust network performance.
- These switches support mixed stacking with backward compatibility, allowing you to stack Catalyst 9300X models with other Catalyst 9300 models.
- Network management is flexible with on-premises, virtual, or cloud options, making deployment and maintenance straightforward.
- Ideal for secure, efficient connectivity in diverse environments, the Catalyst 9300 Series ensures superior performance and future-proofing for your network.

Product Highlights

- **Up to 1TB Stacking Bandwidth:** Catalyst 9300 switches provide up to 1TB of stacking bandwidth, making them the highest-density stackable solution.
- **Flexible Uplink Offerings:** Support for 100G, 40G, 25G, Multigigabit, 10G, and 1G modular uplinks ensures flexible and robust network connections.
- **High Multigigabit Ports:** Supports 48 mGig ports standalone and 448 mGig ports with an 8-member stack, ideal for high-speed access.
- **Enhanced Security:** Includes 100G IPsec hardware encryption, ensuring secure tunnel connectivity for various edge connectivity options.

Detailed Features



C9300-48U-A

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

Component	Specification
Ports	48 x 10/100/1000BASE-T Ethernet
Switching Capacity	256 Gbps
Stacking Bandwidth	480 Gbps
PoE Power	822W
Power Supply	1100W AC



Industry-leading Stacking Bandwidth

With up to 1TB of stacking bandwidth using Stackwise-1T, the Catalyst 9300 switches offer industry-leading stacking density and flexibility. This allows for smooth, high-performance inter-switch communication.

Flexible Uplink Configurations

Offering a range of uplink modules including 100G, 40G, 25G, Multigigabit, 10G, and 1G options, the Catalyst 9300 Series supports various network designs and future expansion.

High-Density PoE

The Catalyst 9300-48U-A provides up to 48 ports of 90W UPOE+, or 384 ports with an 8-member stack. This high-density PoE capability ensures sufficient power for all connected devices, enhancing operational efficiency.

Backward Compatibility

Mixed stacking and backward compatibility enable stacking with Catalyst 9300X models, offering flexible, high-speed fiber solutions for access layers.

Advanced Security Features

With hardware-based 100G IPsec encryption and AES-256 IPsec tunnels, the Catalyst 9300 Series provides secure network communication for edge connectivity and cloud integration.

Comprehensive Application Hosting

Upgraded capabilities with 2x capacity, additional RAM, QAT, and AppGig Ports allow for advanced, performance-sensitive application hosting.

Cloud Management and Monitoring

Offers cloud-based management and monitoring through the Meraki dashboard, enabling efficient and streamlined network oversight.

Investment Protection

Catalyst 9300X components, such as redundant fans and power supplies, are backward compatible with the Catalyst 9300. This ensures long-term investment protection and smooth upgrades.

Technical Specifications

Product Specifications

Feature	Value
Product Description	Catalyst 9300 48-port UPOE, Network Advantage
Ports	48 x 10/100/1000BASE-T Ethernet
AC Power Supply	1100W AC
PoE Power	822W available
StackWise	Yes, up to 480 Gbps
StackPower	Yes
MAC Address Support	32,000
IPv4 Routes	32,000 (24,000 direct, 8000 indirect)
IPv6 Routes	16,000
Switching Capacity	256 Gbps
Jumbo Frames	Up to 9198 bytes
Dimensions	1.73 x 17.5 x 17.5 Inches
Weight	16.33 Pounds



Product Comparison

Feature	C9300-48U-A	C9300-48P-A	C9500-48X-E
Ports	48 x 10/100/1000BASE-T Ethernet	48 x 10/100/1000BASE-T Ethernet with PoE+	48 x 1G/10G SFP+
Switching Capacity	256 Gbps	256 Gbps	960 Gbps
Stacking Bandwidth	480 Gbps	480 Gbps	480 Gbps
PoE Power	822W	715W	Not applicable
Power Supply	1100W AC	715W AC	1600W AC
IPv4 Routes	32,000	32,000	64,000

Accessories

Category	Accessories
Included Accessories	- 1100W AC Power Supply - StackWise-480 Cable
Optional Accessories	- SFP Transceiver - Network Modules



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

Expert Technical Support: ccie-support@router-switch.com

Cooperative Partnerships: 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 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>