



Cisco

C9400-LC-48U

Datasheet

Product Overview

- Cisco® Catalyst® 9400 Series switches are designed as a lead modular enterprise access switching platform, part of the Catalyst 9000 family.
- This series enables your network to handle a hybrid world where workplaces and endpoints are diverse and applications are hosted everywhere.
- Suitable for transforming networks of all types, it includes new Catalyst 9400 SUP-2/2XL supervisor and line cards to reimagine connections and security.
- Designed for organizations embracing IoT, mobility, and cloud, with features built to simplify and secure customer networks.
- It supports high-density IEEE 802.3bt PoE, ensuring unmatched power delivery capabilities for enterprise environments.
- Deploys easily with SD-Access, enabling policy-based automation for edge to cloud, enhancing the user experience.

Product Highlights

- **Advanced Security:** Addresses persistent security threats and integrates hardware/software innovations to secure and simplify networks.
- **IoT and Mobility Support:** Handles exponential growth of IoT devices and mobility everywhere with ease.
- **Cloud Integration:** Facilitates cloud adoption by automating and accelerating service rollout.
- **Cisco DNA with SD-Access:** Offers a software-driven architecture to simplify network operations and policy-based automation.
- **High Availability:** Features SSO/NSF, uplink resiliency, and N+1/N+N power supply redundancy for uninterrupted service.

Detailed Features



C9400-LC-48U

 Quote | [Help](#)

Component	Specification
Line card	C9400-LC-48U
Number of Ports	48
Port Speed	10/100/1000M
Port Type	RJ-45 UPOE IEEE 802.3at, IEEE 802.3af
Switch min/max ports (C9400-LC-48U)	48/384



Built for Security

The Cisco® Catalyst® 9400 Series switches provide advanced security features to safeguard your network against persistent threats. The integration of leading hardware and software innovations ensures your connected devices and data remain secure, simplifying network management and improving overall security posture.

IoT and Cloud Readiness

As the number of IoT devices continues to grow, the Catalyst 9400 Series is designed to seamlessly integrate these devices, providing robust support for mobility and cloud adoption. This readiness transforms networks into more agile and efficient systems, aligning with modern digital needs.

Unmatched Power Delivery

With high-density IEEE 802.3bt PoE capabilities, including 60W and 90W, the Catalyst 9400 Series delivers unparalleled power to connected devices. This feature supports a variety of devices without additional power infrastructure, simplifying deployment and reducing costs.

High Availability (HA)

The Catalyst 9400 Series ensures network continuity with comprehensive HA features such as Stateful Switchover (SSO), Non-Stop Forwarding (NSF), and redundancy for power supplies and uplinks. This ensures that critical services remain uninterrupted, maintaining business operations even in adverse conditions.

Advanced Routing and Virtualization

Supports advanced routing protocols and infrastructure services, enabling flexible network architectures suitable for diverse enterprise environments. Virtualization and segmentation capabilities support the creation of secure network partitions.

Simplified Deployment

SD-Access greatly simplifies device deployment and ongoing network management, freeing IT staff from repetitive tasks and allowing them to focus on strategic initiatives. This boosts operational efficiency and reduces time-to-deploy new services.

Comprehensive Analytics

Offers context-based analytics that provide actionable insights into network performance and security status. This proactive monitoring helps in early detection of issues, ensuring faster resolution and improved network reliability.

Scalable Architecture

The modular design of the Catalyst 9400 Series allows for scalability up to 384 access ports, catering to growing network demands. Whether for small, medium, or large enterprises, the platform adapts to your evolving needs with ease.

Technical Specifications

Product Specifications

Feature	Value
Product Model	C9400-LC-48U
Number of Ports	48
Port Speed	10/100/1000M
Port Type	RJ-45 UPOE IEEE 802.3at, IEEE 802.3af
Switch min/max ports (C9400-LC-48U)	48/384
Chassis Support	C9404R, C9407R, C9410R
Power Support	High-density IEEE 802.3bt PoE (60W and 90W)
High Availability	SSO/NSF, uplink resiliency, N+1/N+N redundancy
Bandwidth	Up to 9 Tbps system bandwidth
Fan Design	Dual-serviceable fan tray
Airflow	Side to side



Feature	Value
Depth	~16 in. depth
Multi-Gigabit Options	10G, 5G, 2.5G, 1G
Copper Options	1G Copper, Cisco UPOE®, Cisco UPOE, PoE+
Fiber Options	36 ports 100G, 96 ports 40G, 168 ports 25G, 384 ports 10G/1G
Advanced Features	Routing, SD-Access, Campus Automation, Virtualization

Product Comparison

Feature	C9400-LC-48U	QFX5100-24Q-DC-AFO	WS-C4503E-S7L+48V+
Number of Ports	48	24	48
Port Speed	10/100/1000M	40G/100G	10/100/1000M
PoE	IEEE 802.3bt	Not supported	PoE, PoE+
High Availability	SSO/NSF, N+1/N+N redundancy	Redundant PSU	Redundant PSU
Hyperscale Ready	Yes	Yes	No
Management Interface	Cisco DNA, SD-Access	Juniper Cloud	Cisco IOS
Switch Fabric	9 Tbps	1.28 Tbps	1.6 Tbps
Routing Protocols	Advanced routing	Layer 3	Layer 3
Warranty	Limited Lifetime Warranty	Standard	Standard

Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"> - Mounting Bracket - Quick Installation Guide
Optional Accessories	<ul style="list-style-type: none"> - SFP Transceiver - PoE Injector - Redundant Power Supply



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 Systems. (2023). Catalyst 9400 Series Switches Data Sheet. Retrieved from <https://www.cisco.com/c/en/us/products/collateral/switches/catalyst-9400-series-switches/nb-06-cat9400-series-line-data-sheet-cte-en.html>