



Cisco

C9200L-48PXG-2Y-A

Datasheet



Product Overview

- The Cisco Catalyst 9200L Series C9200L-48PXG-2Y-A is a leading enterprise access switch that delivers reliable wired connectivity and security.
- Targeted for midsize businesses, campus edge deployments, and managed service providers, this model offers advanced access-level flexibility and scalability.
- Key features include 48 full PoE+ ports, 8 multigigabit ports that support up to 10G, and two fixed 25G uplinks for high-speed aggregation and expansion.
- Flexible mGig and PoE+ support enables seamless device integration, while simplified network segmentation and scalable stacking enhance performance in dynamic environments.
- IT teams benefit from easy deployment, centralized management, and robust Cisco DNA Center integration for automation and monitoring.
- This switch excels as a high-density edge solution, empowering distributed campuses and branch sites with resilient, multi-gigabit, and highly secure wired networks.

Product Highlights

- **Full High-Density PoE+:** 48 ports of full PoE+ with 8 mGig 10G ports for robust power delivery and flexible device connectivity.
- **Dual 25G Uplinks:** Two fixed 25G uplinks provide high-speed network aggregation with non-blocking forwarding for demanding environments.
- **Advanced Security Services:** Integrated advanced security features help safeguard connected endpoints and network traffic.
- **Stacking & Network Scalability:** Supports up to 80 Gbps stacking bandwidth, allowing for seamless expansion and simplified management.

Detailed Features



C9200L-48PXG-2Y-A

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

Component	Specification
Total Ports	48 full PoE+ ports
mGig Ports	8 ports up to 10G
Regular Gig Ports	40 ports up to 1G
Uplinks	2 x 25G fixed uplinks
Power Supply	Primary AC, PWR-C5-1KWAC



High-Density Multi-Gigabit Access

C9200L-48PXG-2Y-A delivers 48 full PoE+ ports, including 8 multigigabit (up to 10G) and 40 regular gigabit (1G) ports, supporting advanced wireless APs, high-speed end-user devices, and IoT endpoints in a single compact platform, enabling future-proofed edge expansion and network growth.

Advanced Uplink Performance

Equipped with two fixed 25G SFP28 uplinks, the switch ensures fast backbone connectivity for aggregation or core layers. This greatly improves data throughput in high-load scenarios, minimizes bottlenecks, and delivers seamless access for cloud applications, video, and large file transfers across distributed sites or campus environments.

Integrated Full PoE+ Support

With all 48 access ports supporting full IEEE 802.3at PoE+, the C9200L-48PXG-2Y-A efficiently powers APs, IP phones, cameras, and other devices directly from the switch. Smart PoE management maximizes energy use, ensures device reliability, and reduces the need for external power adapters or injectors in dense deployments.

Resilient Redundant Design

Combining fixed redundant fans and support for a default primary AC power supply (PWR-C5-1KWAC), the switch delivers high availability suitable for business-critical operations. Hot-swappable hardware ensures continuous uptime and effective cooling, safeguarding network stability and supporting demanding environments.

Centralized Automation & Management

The switch is fully compatible with Cisco DNA Center, enabling automated provisioning, policy-based configuration, and deep network visibility. IT staff gain advanced monitoring and troubleshooting tools, reducing operational complexity and downtime while ensuring smooth change management at scale.

Robust Layer 2 & 3 Services

Supporting comprehensive IPv4 and IPv6 routing, ACL, QoS, multicast, and 1024 VLANs, the C9200L-48PXG-2Y-A guarantees flexible segmentation, optimized traffic control, and consistent policy enforcement across enterprise networks.

Enhanced Security Architecture

Integrated services such as TrustSec and MACsec, together with advanced ACLs and segmentation features, help mitigate modern security threats. Flexible NetFlow and secure access reduce risk and help enforce regulatory compliance for sensitive business networks.

Seamless Stacking Scalability

Offers up to 80 Gbps stacking bandwidth, allowing for the creation of highly resilient, single-point managed stacks. This design streamlines operations, delivers high port density, and enables easy future upgrades to meet evolving business needs without hardware rip-and-replace.

Technical Specifications

Product Specifications

Feature	Value
Downlinks total 10/100/1000 or PoE+ copper ports	48 ports full PoE+ (8 mGig ports up to 10G, 40 ports up to 1G)
Uplink configuration	2x 25G fixed uplinks
Default primary AC power supply	PWR-C5-1KWAC
Fans	Fixed redundant
Software	Network Advantage
Chassis Dimensions	1.73 x 17.5 x 13.8 in / 4.4 x 44.5 x 35.0 cm
Virtual Networks	1
Stacking bandwidth	80 Gbps
Total number of MAC addresses	16,000
Total number of IPv4 routes (ARP plus learned routes)	11,000 (8,000 direct routes and 3,000 indirect routes)



Feature	Value
IPv4 routing entries	3,000
IPv6 routing entries	1,500
Multicast routing scale	1,000
QoS scale entries	1,000
ACL scale entries	1,500
Packet buffer per SKU	6 MB buffers for 24- or 48-port Gigabit Ethernet models
Flexible NetFlow (FNF) entries	16,000 flows on 24- and 48-port Gigabit Ethernet models
DRAM	2 GB
Flash	4 GB
VLAN IDs	1024
Total Switched Virtual Interfaces (SVIs)	512
Jumbo frames	9198 bytes
Wireless bandwidth per switch	N/A
Switching capacity	340 Gbps
Forwarding rate	252.97 Mpps
Mean time between failures (hours)	337,260

Product Comparison

Feature	C9200L-48PXG-2Y-A	C9300-48UXM-A	C9300L-48P-4X-E
Total Ports	48 x PoE+ (8 mGig up to 10G, 40 1G)	48 x mGig/PoE+	48 x PoE+
Uplink Ports	2 x 25G SFP28	4 x 10G SFP+	4 x 10G SFP+
Switching Capacity	340 Gbps	736 Gbps	176 Gbps
PoE Power Budget	Full PoE+ on all ports	PoE+/UPOE, model-dependent	PoE+ on all ports
Stacking Bandwidth	80 Gbps	480 Gbps	80 Gbps
MAC Addresses	16,000	32,000	16,000
Layer 3 Routing	Advanced IPv4 & IPv6	Full with more entries	Base & Advanced, less scale



Feature	C9200L-48PXG-2Y-A	C9300-48UXM-A	C9300L-48P-4X-E
Fan/Power Redundancy	Fixed redundant fans, default 1KW AC	Modular, hot-swappable PSU and fans	Fixed fans, modular PSU
Management	Cisco DNA Center, Web UI, CLI	Cisco DNA, CLI/Web	Cisco DNA, Web UI, CLI
Dimensions	1.73 x 17.5 x 13.8 in	1.73 x 17.5 x 17.5 in	1.73 x 17.5 x 13.8 in

Accessories

Category	Accessories
Included Accessories	- Power Cord - Rack Mount Kit - Console Cable
Optional Accessories	- SFP Transceiver - Redundant Power Supply - Stack Cable



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

Hong Kong Branch

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

USA Branch

35 E Horizon Ridge Pkwy, Ste 110 #30131, Henderson, NV 89002, 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). Catalyst 9200 Series Switches Data Sheet. Retrieved from <https://www.cisco.com/c/en/us/products/collateral/switches/catalyst-9200-series-switches/nb-06-cat9200-ser-data-sheet-cte-en.html>