

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

C9200L-48P-4X-E

Cisco Network Hardware Specification, Availability and Quote Reference

Product Model	C9200L-48P-4X-E
Document Type	Product Datasheet
Condition	Brand New, Original and Verifieded
Supplier	Layer23-Switch.com

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C9200L-48P-4X-E Datasheet

The Cisco C9200L-48P-4X-E datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the C9200L-48P-4X-E and integrate it into enterprise or service provider networks with confidence.

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Key Features

High-Speed 10G Uplinks

Core Connectivity. Equipped with four fixed 10 Gigabit SFP+ ports, this switch ensures that the high traffic generated by 48 users and PoE devices does not create a bottleneck at the uplink. It provides a future-proof path for connecting to 10G servers or aggregation switches without the cost of modular hardware.

Robust PoE+ Power

Full 740W Budget. With a default power supply of 1000W delivering 740W of dedicated PoE budget, this switch can support a high density of powered devices. It is capable of driving full 30W PoE+ to 24 ports simultaneously, or providing standard 15.4W PoE to all 48 ports, simplifying deployment for VoIP and Wi-Fi networks.

StackWise-80 Simplicity

Unified Operations. Supports Cisco's StackWise-80 technology, allowing you to stack up to 8 switches into a single logical unit with 80 Gbps of backplane bandwidth. This simplifies configuration and troubleshooting, as the entire stack is managed via a single IP address, reducing operational complexity for IT teams.

Enterprise Security

Trustworthy Foundation. Features integrated security capabilities including Secure Boot, Image Signing, and MACsec encryption. These features protect the integrity of the switch hardware and software, ensuring that the network edge remains secure against tampering and eavesdropping attacks.

Layer 3 Routed Access

Network Essentials. Comes with the Network Essentials license, which includes essential Layer 3 features such as OSPF Routed Access, Static Routing, and RIP. This allows the switch to handle local routing tasks, improving network efficiency by keeping local traffic off the core network.

Resilient Hardware

Dual Redundancy. Unlike many entry-level switches, the C9200L series supports dual field-replaceable power supplies and redundant fixed fans. This ensures continuous operation even if a power supply fails, providing the uptime assurance required for critical business communications.

Specification

Parameter	Details	Parameter	Details
Model SKU	C9200L-48P-4X-E	Series Family	Cisco Catalyst 9200L
Software License	Network Essentials	Uplink Ports	4 x 10G SFP+ (Fixed)
Downlink Ports	48 x 10/100/1000 PoE+	PoE Standard	IEEE 802.3at (PoE+)
Default PoE Budget	740 W (with 1x 1000W PSU)	Max PoE Budget	1440 W (with 2x 1000W PSU)
Switching Capacity	176 Gbps	Forwarding Rate	130.95 Mpps
Stacking Technology	StackWise-80	Stacking Bandwidth	80 Gbps
Stacking Members	Up to 8 Units	MAC Address Table	16,000 Entries
Total IPv4 Routes	11,000 (8,000 direct + 3,000 indirect)	Total IPv6 Routes	3,000
Multicast Groups	1,000	QoS Scale Entries	1,000
ACL Scale Entries	1,500	Packet Buffer	6 MB
Flexible NetFlow	16,000 flows	VLAN IDs	4,096
Max SVIs	512	Jumbo Frames	9198 bytes
Routing Protocols	OSPF, RIP, EIGRP Stub, Static	DRAM	2 GB
Flash Memory	4 GB	Power Supply Type	PWR-C5-1KWAC (Default)
Power Redundancy	Dual Modular (Field Replaceable)	Fan System	Fixed Redundant
MTBF (Hours)	347,760	Heat Dissipation	~2600 BTU/hr (Max PoE)
Height	1.73 in (4.4 cm)	Width	17.5 in (44.5 cm)
Depth	11.3 in (28.8 cm)	Weight	10.38 lb (4.71 kg)
Operating Temperature	23°F to 113°F (-5°C to 45°C)	Acoustic Noise	42 dBA (Typical)
Safety Certifications	UL 60950-1, IEC 60950-1, CAN/CSA C22.2	EMC Certifications	FCC Part 15 Class A, EN 55032

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