

**BRAND NEW & VERIFIED**



**VERIFIED PRODUCT DATASHEET**

# C9200L-48P-4X-A

Cisco Network Hardware Specification, Availability and Quote Reference

<b>Product Model</b>	<b>C9200L-48P-4X-A</b>
<b>Document Type</b>	<b>Product Datasheet</b>
<b>Condition</b>	<b>Brand New, Original and Verifieded</b>
<b>Supplier</b>	<b>Layer23-Switch.com</b>

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## C9200L-48P-4X-A Datasheet

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

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## Key Features

### Advanced Routing Intelligence

Full Layer 3 Support. Equipped with the Network Advantage license, this switch supports a comprehensive suite of dynamic routing protocols, including OSPF, EIGRP, BGP, and IS-IS. This capability allows the switch to act as a sophisticated routing node at the edge or distribution layer, making intelligent path decisions without relying solely on the core router.

### High-Speed 10G Uplinks

Bottleneck-Free Connectivity. Features four fixed 10 Gigabit SFP+ ports, providing massive uplink bandwidth to handle the aggregate traffic from 48 users and high-speed PoE devices. This 10G connectivity ensures that the network is ready for next-generation technologies like Wi-Fi 6E and prevents congestion during peak usage hours.

### Virtual Routing and Forwarding (VRF)

Secure Network Isolation. Supports VRF-Lite, enabling the creation of multiple virtual routing tables on a single physical switch. This feature is essential for organizations that need to isolate traffic segments strictly (e.g., separating IoT devices, Guest Wi-Fi, and Corporate Data) to meet compliance and security standards.

### Robust PoE+ Power

740W Default Budget. Supplied with a 1000W AC power supply, the switch offers 740W of dedicated PoE budget. This is sufficient to power 24 ports at full 30W (Class 4) or all 48 ports at 15.4W (Class 3), making it an ideal platform for dense deployments of IP phones and dual-radio Access Points.

### SD-Access Programmability

Fabric Ready. Fully compatible with Cisco's Software-Defined Access (SD-Access) architecture. It can function as a programmable fabric node, supporting automation and policy-based segmentation that simplifies network operations and reduces the time required for user onboarding and troubleshooting.

### Resilient Hardware Design

Dual Redundancy. Built for business continuity, the C9200L series supports dual field-replaceable power supplies and redundant fixed fans. This design ensures that critical voice and data services remain online even in the event of a primary power source failure.

## Specification

Parameter	Details	Parameter	Details
<b>Model SKU</b>	C9200L-48P-4X-A	<b>Series Family</b>	Cisco Catalyst 9200L
<b>Software License</b>	Network Advantage	<b>Uplink Ports</b>	4 x 10G SFP+ (Fixed)
<b>Downlink Ports</b>	48 x 10/100/1000 PoE+	<b>PoE Standard</b>	IEEE 802.3at (PoE+)
<b>Default PoE Budget</b>	740 W (with 1x 1000W PSU)	<b>Max PoE Budget</b>	1440 W (with 2x 1000W PSU)
<b>Switching Capacity</b>	176 Gbps	<b>Forwarding Rate</b>	130.95 Mpps
<b>Stacking Technology</b>	StackWise-80	<b>Stacking Bandwidth</b>	80 Gbps
<b>Stacking Members</b>	Up to 8 Units	<b>MAC Address Table</b>	16,000 Entries
<b>Total IPv4 Routes</b>	11,000 (8,000 direct + 3,000 indirect)	<b>Total IPv6 Routes</b>	3,000
<b>Multicast Groups</b>	1,000	<b>QoS Scale Entries</b>	1,000
<b>ACL Scale Entries</b>	1,500	<b>Packet Buffer</b>	6 MB
<b>Flexible NetFlow</b>	16,000 flows	<b>VLAN IDs</b>	4,096
<b>Max SVIs</b>	512	<b>Jumbo Frames</b>	9198 bytes
<b>Routing Protocols</b>	OSPF, EIGRP, BGP, ISIS, RIP, VRF	<b>DRAM</b>	2 GB
<b>Flash Memory</b>	4 GB	<b>Power Supply Type</b>	PWR-C5-1KWAC (Default)
<b>Power Redundancy</b>	Dual Modular (Field Replaceable)	<b>Fan System</b>	Fixed Redundant
<b>MTBF (Hours)</b>	347,760	<b>Heat Dissipation</b>	~2600 BTU/hr (Max PoE)
<b>Height</b>	1.73 in (4.4 cm)	<b>Width</b>	17.5 in (44.5 cm)
<b>Depth</b>	11.3 in (28.8 cm)	<b>Weight</b>	10.38 lb (4.71 kg)
<b>Operating Temperature</b>	23°F to 113°F (-5°C to 45°C)	<b>Acoustic Noise</b>	42 dBA (Typical at 25C)
<b>Safety Certifications</b>	UL 60950-1, IEC 60950-1, CAN/CSA C22.2	<b>EMC Certifications</b>	FCC Part 15 Class A, EN 55032

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