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VERIFIED PRODUCT DATASHEET

C9200L-48T-4G-E

Cisco Network Hardware Specification, Availability and Quote Reference

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

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C9200L-48T-4G-E Datasheet

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

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Key Features

Pure Data Port Efficiency

Optimized for Non-Powered Devices. Specifically engineered for environments connecting devices that have their own power sources, such as office workstations, printers, and lab computers. By removing the PoE hardware circuitry, this model significantly reduces the initial purchase price and lowers ongoing cooling and energy costs compared to PoE-capable models.

Cost-Effective 1G Connectivity

Standard Fiber Integration. Features four fixed 1 Gigabit SFP ports, making it the perfect fit for wiring closets connected via standard Gigabit fiber. It allows organizations to upgrade their access layer switching to the latest Catalyst 9000 standards without the need to upgrade their backbone fiber or core switches to 10G.

StackWise-80 Architecture

Simplified Operations. Supports stacking of up to 8 switches into a single logical unit with 80 Gbps of backplane throughput. This allows IT administrators to manage the entire stack as one device with a single IP address, simplifying configuration, troubleshooting, and software upgrades while providing redundancy.

Enterprise Security Foundation

Trustworthy Systems. Equipped with Cisco's Secure Boot and Image Signing technologies to prevent hardware tampering and illicit software modification. It also supports AES-128 MACsec encryption, ensuring that data traffic remains secure and private across the physical network links.

Layer 3 Routed Access

Network Essentials. Comes with the Network Essentials license, offering key Layer 3 routing features such as Static Routing, RIP, and OSPF Routed Access. This enables the switch to handle local traffic routing at the edge, reducing broadcast domains and improving overall network efficiency.

Resilient Hardware Design

Business Continuity. Unlike typical low-end switches, the C9200L series supports dual field-replaceable power supplies and redundant fixed fans. This hardware redundancy ensures that the network stays online even in the event of a power supply failure, minimizing downtime for critical business operations.

Specification

Parameter	Details	Parameter	Details
Model SKU	C9200L-48T-4G-E	Series Family	Cisco Catalyst 9200L
Software License	Network Essentials	Uplink Ports	4 x 1G SFP (Fixed)
Downlink Ports	48 x 10/100/1000 Data Only	PoE Capability	No (Data Only)
Switching Capacity	104 Gbps	Forwarding Rate	77.38 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-C5-125WAC (Default)
Power Redundancy	Dual Modular (Field Replaceable)	Fan System	Fixed Redundant
MTBF (Hours)	346,270	Heat Dissipation	~420 BTU/hr (Typical)
Height	1.73 in (4.4 cm)	Width	17.5 in (44.5 cm)
Depth	11.3 in (28.8 cm)	Weight	9.59 lb (4.35 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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