

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

C1000-48P-4X-L

Cisco Network Hardware Specification, Availability and Quote Reference

Product Model	C1000-48P-4X-L
Document Type	Product Datasheet
Condition	Brand New, Original and Verifieded
Supplier	Layer23-Switch.com

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C1000-48P-4X-L Datasheet

The Cisco C1000-48P-4X-L datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the C1000-48P-4X-L and integrate it into enterprise or service provider networks with confidence.



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Key Features

Full 48-port PoE+ support

Powers a large number of PoE-enabled devices including wireless APs, IP phones, and HD surveillance cameras without separate power adapters.

370 W total PoE budget

Capable of powering multiple high-consumption devices such as PTZ cameras and Wi-Fi 6 APs simultaneously.

4 × 10G SFP+ uplinks

Provides high-speed fiber links to distribution or core switches, ensuring smooth data transfer for high-bandwidth applications.

Advanced Layer 2 capabilities

VLAN segmentation, spanning tree protocols, and link aggregation improve network stability, redundancy, and throughput.

Energy-efficient PoE management

Automatically powers down unused ports to reduce energy consumption without affecting performance.

Flexible management options

Web GUI for quick setup, CLI for advanced control, and Cisco Business Dashboard or SNMP for centralized monitoring.

Specification

Parameter	Details	Parameter	Details
Model	C1000-48P-4X-L	Series	Cisco Catalyst 1000
Downlink Ports	48 × 10/100/1000 RJ-45	Uplinks	4 × 10G SFP+
Switching Capacity	176 Gbps	Forwarding Rate	130.95 Mpps
PoE Standard	IEEE 802.3af/at (PoE+)	Total PoE Budget	370 W
Packet Buffer	3.0 MB	MAC Address Table	16,000 entries
Layer	Layer 2	VLAN Support	Up to 256 VLANs
Spanning Tree	STP, RSTP, MSTP	QoS	8 queues, WRR & Strict Priority
Multicast	IGMP v1/v2/v3 snooping	Security	802.1X, Port Security, ACLs, DHCP Snooping
Management	Web GUI, CLI, SNMP v1/v2/v3	Monitoring	Syslog, RMON
Console	RJ-45 console port	CPU / Memory	800 MHz ARM, 512 MB RAM, 256 MB Flash
Jumbo Frames	Up to 9,000 bytes	EEE	IEEE 802.3az
Power Supply	Internal, 100–240V AC	Power (max)	445 W
Idle Power	85 W	Heat Dissipation	1518.46 BTU/hr
Dimensions (W×D×H)	445 × 240 × 45 mm	Weight	4.4 kg
Acoustic	37.3 dBA	MTBF	>1,000,000 hours
Operating Temp	0°C to 45°C	Storage Temp	-25°C to 70°C
Operating Humidity	10%–90% non-condensing	Certifications	UL, CE, FCC Class A
Warranty	Limited Lifetime	Deployment	Rack Mount

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Why Layer23-Switch.com

As a leading network hardware supplier, Layer23-Switch.com focuses on original new ICT equipment of Cisco, H3C, Juniper, etc.

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