

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

C1000-48T-4G-L

Cisco Network Hardware Specification, Availability and Quote Reference

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

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C1000-48T-4G-L Datasheet

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



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Key Features

High-density 48-port Gigabit access

Connects a large number of endpoints including PCs, printers, and servers, making it ideal for enterprise floors, classrooms, or large retail areas.

4 × 1G SFP uplinks

Enables reliable fiber connections to aggregation or core layers for smooth, long-distance network integration.

Silent operation

Fanless design ensures zero noise, ideal for noise-sensitive environments such as libraries, classrooms, and clinics.

Advanced Layer 2 capabilities

VLAN segmentation, spanning tree protocols, and link aggregation enhance network stability and traffic management.

QoS prioritization

Maintains performance for latency-sensitive applications like VoIP calls, ERP access, and video conferencing.

Strong security framework

Supports 802.1X authentication, port security, DHCP snooping, and ACLs to protect against unauthorized access.

Specification

Parameter	Details	Parameter	Details
Model	C1000-48T-4G-L	Series	Cisco Catalyst 1000
Downlink Ports	48 × 10/100/1000 RJ-45	Uplinks	4 × 1G SFP
Switching Capacity	104 Gbps	Forwarding Rate	77.38 Mpps
PoE Standard	— (Non-PoE)	Total PoE Budget	N/A
Packet Buffer	1.5 MB	MAC Address Table	8,000 entries
Layer	Layer 2	VLAN Support	Up to 256 VLANs
Spanning Tree	STP, RSTP, MSTP	QoS	4 queues, WRR & Strict Priority
Multicast	IGMP v1/v2/v3 snooping	Security	802.1X, Port Security, ACLs
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)	30 W
Idle Power	22 W	Heat Dissipation	102.36 BTU/hr
Dimensions (W×D×H)	445 × 240 × 45 mm	Weight	3.9 kg
Acoustic	Fanless (0 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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