

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

C1000-48T-4X-L

Cisco Network Hardware Specification, Availability and Quote Reference

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

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C1000-48T-4X-L Datasheet

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



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Key Features

48-port Gigabit access layer

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

4 × 10G SFP+ uplinks

Provides high-speed fiber connectivity to aggregation or core switches, eliminating bottlenecks for bandwidth-intensive applications like video surveillance and large file transfers.

Comprehensive Layer 2 feature set

VLAN segmentation, STP/RSTP/MSTP for redundancy, and link aggregation for load balancing and higher throughput.

QoS optimization

Prioritizes mission-critical traffic such as VoIP, ERP, and real-time collaboration tools to ensure low latency and smooth performance.

Strong security controls

Includes 802.1X authentication, DHCP snooping, and ACLs to protect against unauthorized access.

Flexible network management

Web GUI, CLI, Cisco Business Dashboard, and SNMP support allow easy integration into existing management workflows.

Specification

Parameter	Details	Parameter	Details
Model	C1000-48T-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	— (Non-PoE)	Total PoE Budget	N/A
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)	32 W
Idle Power	23 W	Heat Dissipation	109.17 BTU/hr
Dimensions (WxDxH)	445 × 240 × 45 mm	Weight	4.2 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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