

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

C1000-24T-4X-L

Cisco Network Hardware Specification, Availability and Quote Reference

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|----------------------|---|
| Product Model | C1000-24T-4X-L |
| Document Type | Product Datasheet |
| Condition | Brand New, Original and Verifieded |
| Supplier | Layer23-Switch.com |

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C1000-24T-4X-L Datasheet

The Cisco C1000-24T-4X-L datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the C1000-24T-4X-L and integrate it into enterprise or service provider networks with confidence.

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Key Features

4 × 10G SFP+ uplinks

Allows direct fiber connections to core or distribution switches, ensuring smooth data flow for bandwidth-heavy environments such as video surveillance, multimedia streaming, and large file transfers.

24-port Gigabit access layer

Provides reliable connectivity for PCs, printers, VoIP phones, digital signage, and other LAN devices in corporate, education, and retail networks.

Silent, fanless operation

Ideal for deployments in noise-sensitive environments like libraries, classrooms, healthcare facilities, or retail showrooms where equipment noise can be disruptive.

Advanced Layer 2 networking features

VLAN segmentation enhances traffic isolation, STP/RSTP/MSTP prevents loops, and LACP improves bandwidth and redundancy for critical links.

Traffic prioritization with QoS

Guarantees consistent performance for real-time applications such as VoIP calls, HD video conferencing, and ERP system access even

during high traffic periods.

Robust security capabilities

Includes 802.1X port authentication, MAC-based access control, DHCP snooping, and ACLs to protect against unauthorized access or malicious activity.

Specification

| Parameter | Details | Parameter | Details |
|--------------------|-----------------------------|-------------------|--|
| Model | C1000-24T-4X-L | Series | Cisco Catalyst 1000 |
| Downlink Ports | 24 × 10/100/1000 RJ-45 | Uplinks | 4 × 10G SFP+ |
| Switching Capacity | 128 Gbps | Forwarding Rate | 95.23 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) | 24 W |
| Idle Power | 16 W | Heat Dissipation | 81.92 BTU/hr |
| Dimensions (WxDxH) | 445 × 240 × 45 mm | Weight | 3.6 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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