C1000-24P-4G-L DATASHEET

Overview

The Cisco Catalyst C1000-24P-4G-L is a fixed managed Layer 2 Gigabit Ethernet switch designed for small businesses and branch offices requiring reliable, secure, and scalable network connectivity. It features 24 PoE+ Gigabit Ethernet ports with a total PoE power budget of 195W and 4 Gigabit SFP uplink ports for flexible fiber connectivity. The switch offers a switching capacity of 56 Gbps and a forwarding rate of 41.67 million packets per second, ensuring high performance for converged data, voice, and video applications. Its fanless design allows quiet, energy-efficient operation while supporting advanced security and management capabilities

QUICK SPEC

FIGURE 1: APPEARANCE OF C1000-24P-4G-L

TABLE 1: Quick Specs

SKU	C1000-24P-4G-L
Backplane speed	56 Gbps
Throughput	41.67 million packets per second (Mpps)
Ports	28 total (24 x 10/100/1000 Mbps PoE+ RJ-45 Ethernet ports + 4 x 1G SFP uplinks)
Dimensions (W x H x D)	444.9 mm x 298 mm x 43.88 mm (17.5 in x 11.76 in x 1.73 in)

Product Details

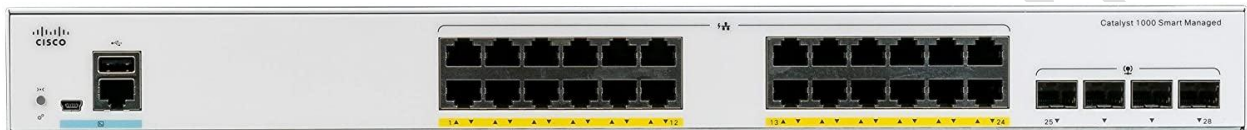### FIGURE 2: FRONT PANEL OF C1000-24P-4G-L

FIGURE 3: BACK PANEL OF C1000-24P-4G-L

C1000-24P-4G-L Switch provides these features:

1. 24 Gigabit PoE+ Ports

Provides 24 ports supporting Power over Ethernet Plus (up to 30W per port with a total budget of 195W), enabling the switch to power connected devices like IP phones, cameras, and wireless access points through a single cable, reducing installation complexity.

2.4 Gigabit SFP Uplink Ports

Offers four fiber uplink ports for flexible, high-speed connections to upstream network devices or aggregation points, ensuring scalability and efficient network integration.

3.Fanless Design

Operates silently without fans, making it ideal for noise-sensitive environments such as offices or conference rooms and reducing mechanical failure risks, thus increasing reliability.

4.Managed Switch with CLI and Web UI

Supports management through a Command-Line Interface and an intuitive web-based user interface, simplifying deployment, monitoring, and troubleshooting for network administrators.

5.Advanced Security Features

Includes IEEE 802.1X authentication, Access Control Lists (ACLs), Dynamic ARP Inspection, IP Source Guard, and BPDU Guard to secure the network and prevent unauthorized device access.

6.Energy Efficient Ethernet (IEEE 802.3az)

Reduces power consumption by dynamically adjusting power usage based on link activity, supporting green IT initiatives and lowering operational costs.

SPECIFICATION

Model	C1000-24P-4G-L
Unit weight	3.53
Dimensions	17.48 x 11.76 x 1.73
Forwarding rate in millions of packets per second (mpps; 64-byte packets)	41.67 million packets per second (mpps) (64-byte packets)
Switching capacity in gigabits per second (Gbps)	56 Gbps
Gigabit Ethernet / FE ports	24 x 10/100/1000 RJ-45 PoE+ ports
Total system ports	28 (24 Ethernet + 4 SFP)
RJ-45 ports	24
PoE+power budget	195W
Uplink Interface	4 SFP
Cabling type	Standard twisted pair cabling for RJ-45, fiber for SFPs
Flash	256 MB
Operating temperature	-5 to 50°C
Storage temperature	-25 to 70°C
Operating humidity	5 to 95% non-condensing
Storage humidity	5 to 95% non-condensing
Fan	Fanless
MTBF @ 25C (hours)	Over 2 million hours

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