Cisco

C1000-8FP-E-2G-L

Datasheet

Product Overview

- Cisco Catalyst 1000 Series represents a trusted family of managed enterprise switches built for essential access in modern digital networks.

- Designed for small businesses, branch offices, and distributed locations, these switches address the needs of SMBs and retail shops.

- The C1000-8FP-E-2G-L delivers 8 × 100/1000BASE-X SFP ports, 2 × 1G SFP uplinks, and a powerful 20 Gbps switching capacity.

- It provides advanced PoE+ support, robust CLI and web-based management, and sFlow-powered monitoring for real network insights.

- Deployment is flexible, with intuitive device management via Bluetooth, SNMP, or classic console connections for ease of use and maintenance.

- Ideal for fast-growing business environments, it brings secure, scalable, and energy-efficient Layer 2 connectivity where reliability is crucial.

Product Highlights

- **Flexible Fiber Access:** 8 × 100/1000BASE-X SFP ports ensure reliable high-speed fiber connectivity for any modern network backbone.

- **Dedicated Uplink Ports:** 2 × 1G SFP uplinks provide extra bandwidth for seamless uplink aggregation and fast data transfer.

- **Comprehensive PoE+ Support:** Enables perpetual PoE+ across the network with a generous power budget to support IP phones, cameras, and APs.

- **Secure, Simple Management:** Manage devices via CLI, web UI, Bluetooth, or SNMP, delivering flexibility for every admin and deployment scenario.

Detailed Features

C1000-8FP-E-2G-L

Component	Specification
Port Configuration	8 × 100/1000BASE-X SFP (Fiber)
Uplink Ports	2 × 1G SFP
Switching Capacity	20 Gbps
Forwarding Rate	14.88 Mpps
Power Supply	External (included)

High-Performance Fiber Access

C1000-8FP-E-2G-L provides 8 × 100/1000BASE-X SFP fiber ports for stable and high-speed access distribution. This robust fiber design allows seamless integration into network backbones, supporting large-scale data and smooth device expansion with minimal downtime.

Enhanced Uplink Flexibility

The switch features 2 × 1G SFP uplink ports for scalable network expansion. These uplinks enable easy aggregation, redundancy, and optimized traffic forwarding, meeting the demands of growing businesses and high-volume applications with resilient throughput.

Energy-Efficient Perpetual PoE+

Supporting perpetual PoE+, the C1000-8FP-E-2G-L ensures reliable power delivery to IP phones, cameras, and IoT endpoints. The switch's efficient power distribution supports advanced devices while minimizing operational energy costs, promoting green networking.

Intuitive Management Options

This model can be managed via CLI, integrated web user interface, Bluetooth, or SNMP. These diverse control methods enable flexible deployment, reduce set-up complexity, and streamline troubleshooting for all levels of technical staff.

Advanced Security and Monitoring

Security features include 802.1X, BPDU Guard, and Switched Port Analyzer (SPAN). sFlow delivers real-time network monitoring, supporting reliable access control, threat detection, and performance transparency in diverse operational environments.

High Reliability and MTBF

With an enhanced Mean Time Between Failures (MTBF), the switch minimizes downtime risk. Solid hardware design and strict quality assurance improve service continuity and reduce maintenance requirements.

Compact Fanless Design

The devices fanless design with a depth under 13 inches (33 cm) delivers silent operation and space savings for wall-mount or tight closet installations, ideal for offices or space-constrained business environments.

Robust Enterprise Support

Support for Cisco IOS Software, extensive device management, and extended limited lifetime warranty (E-LLW) ensures enterprise-grade reliability, future-proof investment, and seamless integration into Cisco-driven infrastructure.

Technical Specifications

Product Specifications

Feature	Value
Series	Catalyst 1000
Form Factor	Fixed-configuration, rack-mountable (1RU)
Port Configuration	8 × 100/1000BASE-X SFP (Fiber)
Uplink Ports	2 × 1G SFP
Power Supply	External (included)
Switching Capacity	20 Gbps
Forwarding Rate	14.88 Mpps (64-byte L3 packets)
MAC Address Table	16,000 entries
Active VLANs	256
VLAN IDs	4,094
IPv4 Routing Direct	542
IPv4 Routing Indirect	256
IPv6 Routing Direct	414

Feature	Value
IPv6 Routing Indirect	128
CPU	ARM v7, 800 MHz
DRAM	512 MB
Flash Memory	256 MB
Operating Temperature	-5°F to 50°C (short-term 50°C)
Humidity	10% to 90% non-condensing
Altitude	Up to 10,000 ft (3,000 m)
Power Input	110-220V AC (auto-sensing)
Power Consumption Idle	14.04W
Power Consumption 10% Traffic	14.06W
Power Consumption 100% Traffic	14.26W
Power Consumption Average	14.12W
Management Ports	1 × RJ-45 console port, 1 × USB-A (storage/Bluetooth console)
IPv4/MAC ACEs	600
IPv6 ACEs	600
Minimum IOS Version	Cisco IOS 15.2(7)E4 or later
Safety Certifications	UL 60950-1, EN 60950-1
EMC Certification	FCC Part 15 Class A

Product Comparison

Feature	C1000-8FP-E-2G-L	C1000-48T-4G-L	C9200L-24P-4G-A
Fixed Ports	8 × 100/1000BASE-X SFP	48 × 10/100/1000Base-T	24 × 10/100/1000Base-T PoE+
Uplink Ports	2 × 1G SFP	4 × 1G SFP	4 × 1G SFP
PoE Support	Perpetual PoE+	N/A	PoE+ with 370W budget
Switching Capacity	20 Gbps	56 Gbps	56 Gbps
Forwarding Rate	14.88 Mpps	41.66 Mpps	83.33 Mpps
Management	CLI, Web UI, Bluetooth, SNMP	CLI, Web UI, Bluetooth, SNMP	CLI, Web UI, Bluetooth, SNMP

Feature	C1000-8FP-E-2G-L	C1000-48T-4G-L	C9200L-24P-4G-A
Layer 2/3 Support	Layer 2	Layer 2	Layer 2 with static routing
Fan Design	Fanless	Fanless	Fixed fan
Typical Application	Fiber aggregation or access in SMB deployments	High-density copper access	PoE-powered office endpoints

Accessories

Category	Accessories
Included Accessories	- External Power Adapter - Mounting Bracket - Quick Start Guide
Optional Accessories	- SFP Transceiver Module - Fiber Patch Cable - Mini-GBIC Adapter

Support & Warranty

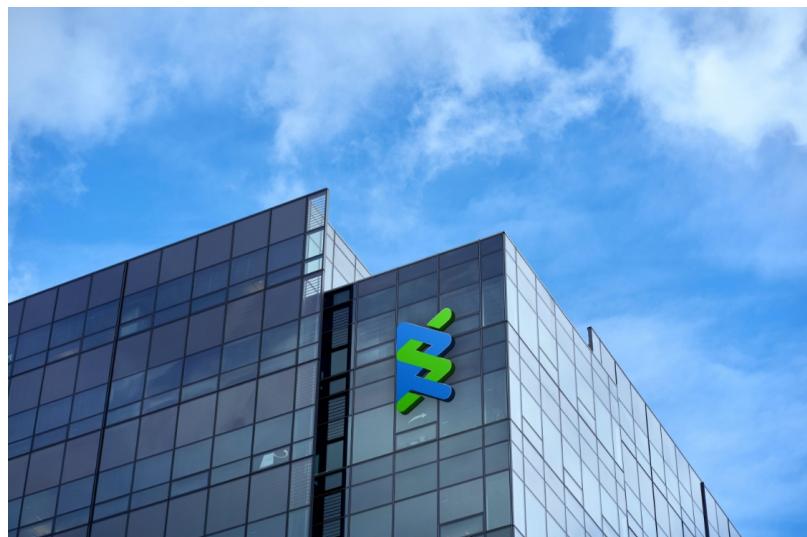|					
24/7 Online Service	3-Year Premium Warranty	Professional Technical Support	100% Low Price Guarantee	100% Quality Assurance	100% Money Back Guarantee

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References

[1] Cisco. (2023). Catalyst 1000 Series Switches Datasheet. Retrieved from https://www.cisco.com/c/en/us/products/collateral/switches/catalyst-1000-series-switches/nb-06-cat1k-ser-switch-ds-cte-en.html