Cisco C1000-8T-2G-L

Cisco Catalyst 1000 Series Switch User Manual

Model: C1000-8T-2G-L

1. Introduction

This user manual provides detailed instructions for the Cisco Catalyst 1000 Series C1000-8T-2G-L Network Switch. Designed for small and medium-sized businesses, this compact, fanless switch offers essential Layer 2 capabilities with enhanced security and management features. Please read this manual thoroughly before operating the device to ensure proper installation and functionality.

2. Product Overview

The Cisco Catalyst 1000 Series C1000-8T-2G-L is an 8-port Gigabit Ethernet switch with two SFP/RJ-45 combo uplink ports. It is engineered for reliable network connectivity and ease of management.

Figure 2.1: Front view of the Cisco Catalyst 1000 Series C1000-8T-2G-L Network Switch, showing the 8 Ethernet ports and 2 SFP/RJ-45 combo ports on the right.

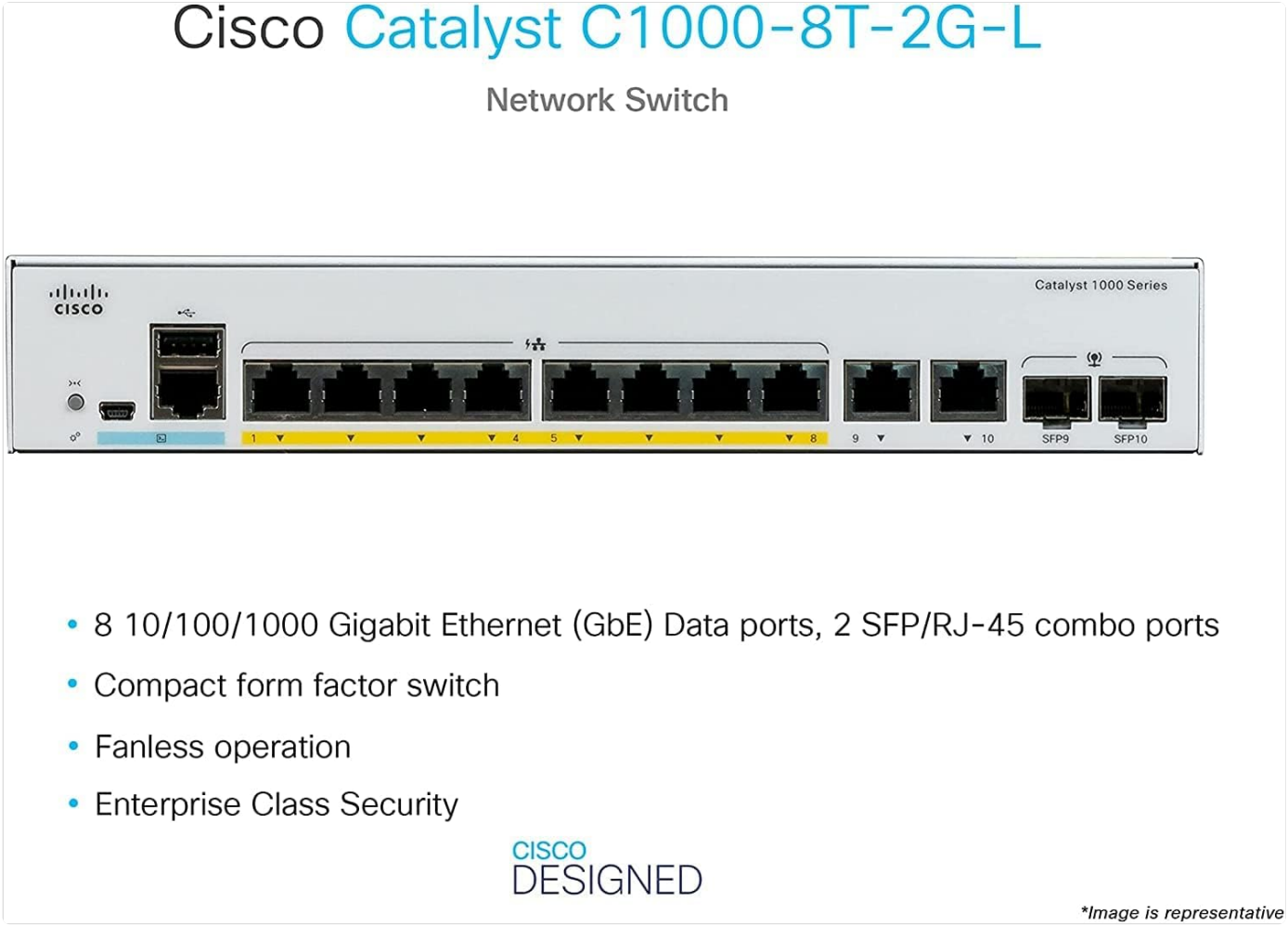


Figure 2.2: Detailed front view of the switch, illustrating the 8 10/100/1000 Gigabit Ethernet (GbE) data ports and the 2 SFP/RJ-45 combo ports. Key features include its compact form factor, fanless operation, and Enterprise Class Security.

Key Features:

- 8 x 10/100/1000 Gigabit Ethernet (GbE) Data ports
- 2 x SFP/RJ-45 combo uplink ports
- Compact form factor for flexible deployment
- Fanless operation for silent deployment in open workspaces
- Enterprise Class Security features
- Intuitive WebUI for ease of access and configuration

3. Setup

3.1 Unpacking and Inspection

Carefully unpack the switch and its accessories. Verify that all components listed below are present and undamaged. If any items are missing or damaged, contact your vendor immediately.

- Cisco Catalyst C1000-8T-2G-L Switch
- Accessory Kit
- 1 printed document (Quick Start Guide or Safety Information)

3.2 Physical Placement

Choose a suitable location for the switch that meets the following criteria:

- **Ventilation:** Although fanless, ensure adequate airflow around the device.
- **Temperature:** Operate within the specified temperature range (refer to Specifications).
- **Stability:** Place on a flat, stable surface or mount securely.
- **Power Source:** Proximity to a reliable power outlet.

3.3 Connecting the Switch

1. Connect the power cord to the switch's power input and then to a grounded electrical outlet.
2. Connect your network devices (computers, servers, other switches) to the 10/100/1000BASE-T Ethernet ports using standard Ethernet cables.
3. For uplink connections to a core network or other switches, use the SFP/RJ-45 combo ports with appropriate transceivers or Ethernet cables.

4. Operating the Switch

4.1 Powering On

Once connected to a power source, the switch will automatically power on. Observe the system LED indicators for status. A solid green system LED typically indicates normal operation.

4.2 Initial Configuration

The Cisco Catalyst 1000 Series switches offer an intuitive interface for configuration and management. You can access the switch via:

- **Web User Interface (WebUI):** Access the switch's management interface through a web browser. This provides a graphical interface for configuring settings, monitoring network status, and performing troubleshooting.
- **Command Line Interface (CLI):** For advanced users, the CLI offers granular control over the switch's functions.

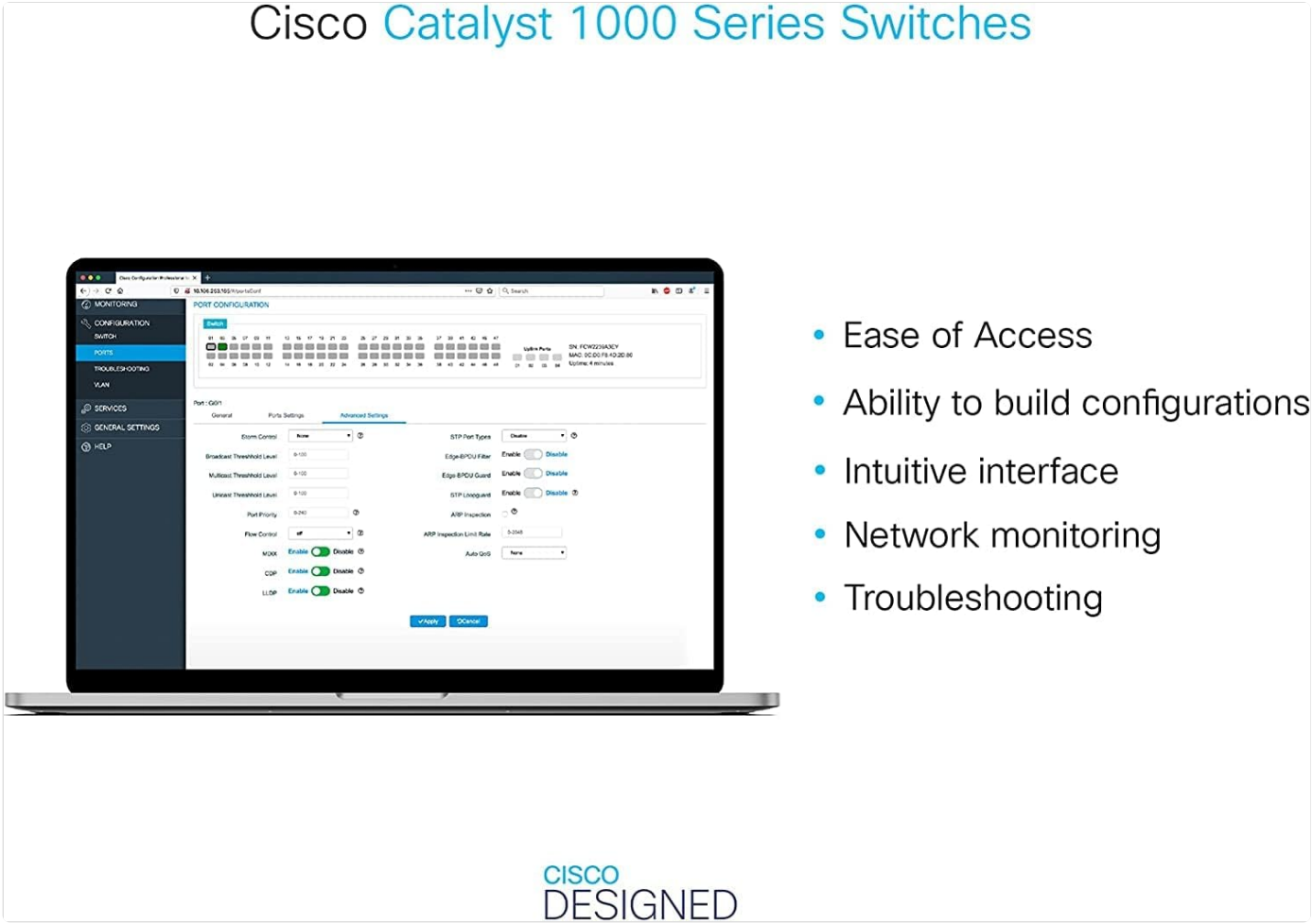


Figure 4.1: Example of the intuitive WebUI, demonstrating ease of access, ability to build configurations, network monitoring, and troubleshooting capabilities.

Refer to the detailed Cisco documentation (often available online) for specific steps on initial IP address configuration and accessing the WebUI or CLI.

5. Maintenance

The Cisco Catalyst 1000 Series C1000-8T-2G-L switch is designed for low maintenance due to its fanless operation and robust metal casing.

5.1 General Care

- Keep the switch clean and free of dust. Use a soft, dry cloth for cleaning.
- Ensure proper ventilation by not obstructing the air vents.
- Avoid exposing the switch to extreme temperatures or humidity.

5.2 Firmware Updates

Periodically check the Cisco support website for firmware updates. Keeping the firmware up-to-date ensures optimal performance, security, and access to new features.

6. Troubleshooting

This section provides basic troubleshooting steps for common issues. For more complex problems, refer to the comprehensive Cisco documentation or contact support.

6.1 Power Issues

- **No Power:** Verify the power cord is securely connected to both the switch and the power outlet. Check the power outlet with another device.
- **System LED Off:** If the system LED is off after connecting power, ensure the power source is active.

6.2 Connectivity Issues

- **No Link:** Check the Ethernet cables connecting devices to the switch ports. Ensure they are securely plugged in and undamaged.
- **Port LED Status:** Observe the port LEDs. A solid green LED typically indicates a good link, while a blinking LED indicates activity. No light may indicate a cable issue or a problem with the connected device.
- **Network Access:** If devices are connected but cannot access the network, verify IP configurations and VLAN settings (if applicable) through the WebUI or CLI.

6.3 WebUI/CLI Access Issues

- **Cannot Access WebUI:** Ensure your computer is on the same network segment as the switch and that you are using the correct IP address. Clear browser cache or try a different browser.
- **Forgot Password:** Refer to Cisco's official documentation for password recovery procedures.

7. Specifications

The following table outlines the key technical specifications for the Cisco Catalyst C1000-8T-2G-L Network Switch:

Feature	Description
Model Number	C1000-8T-2G-L
Number of Ports	8 x 10/100/1000 Gigabit Ethernet
Uplink Ports	2 x SFP/RJ-45 Combo
Switch Type	Layer 2
Dimensions (H x W x D)	1.73 x 10.56 x 7.28 inches (4.39 x 26.82 x 18.49 cm)
Item Weight	5.5 pounds (2.49 kg)
Voltage	48 Volts
Current Rating	1 Amps
Case Material	Metal
Operating Temperature (Upper)	1 Degrees Celsius (Note: Consult official Cisco documentation for full operating temperature range)
Cooling	Fanless

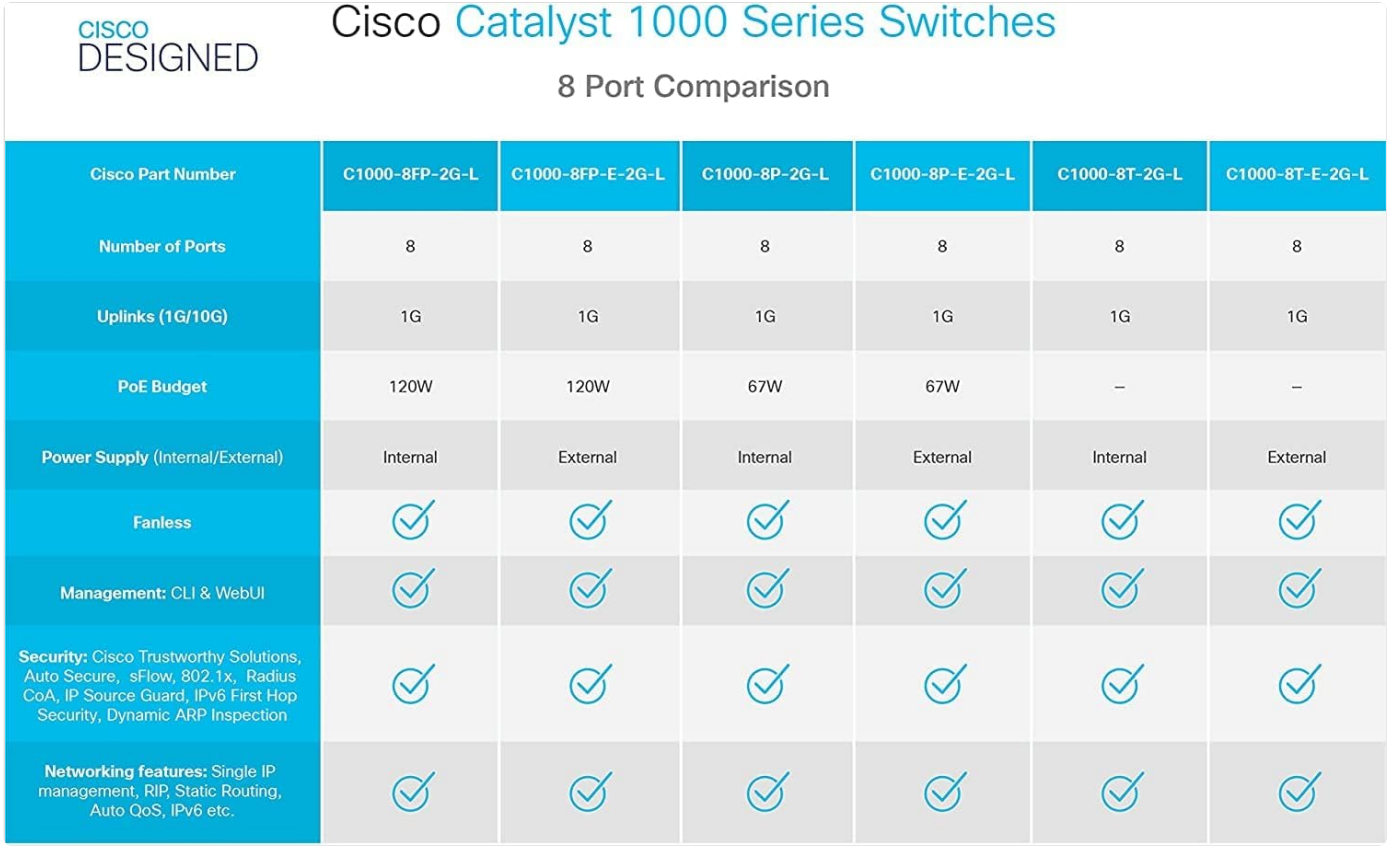


Figure 7.1: Comparison table highlighting various 8-port models within the Cisco Catalyst 1000 Series, showing differences in uplinks, PoE budget, power supply, and management features.

8. Warranty and Support

This Cisco Catalyst 1000 Series C1000-8T-2G-L switch is a renewed product. As such, it is backed by the Amazon Renewed Guarantee.

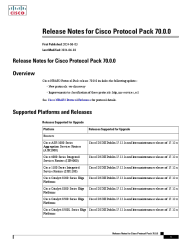
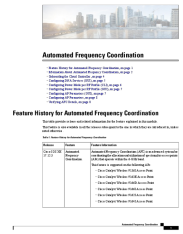
8.1 Amazon Renewed Guarantee

This product has been professionally inspected and tested to work and look like new. If you are not satisfied with your purchase, renewed products are eligible for replacement or refund under the Amazon Renewed Guarantee. Please refer to the Amazon Renewed program terms and conditions for full details on eligibility and process.

8.2 Technical Support

For technical assistance, troubleshooting beyond this manual, or inquiries regarding the Amazon Renewed Guarantee, please contact Amazon Renewed customer support or the original seller (ATHQ - CR) through the Amazon platform.

Related Documents - C1000-8T-2G-L

	[Cisco Catalyst 1000 Series Switch Hardware Installation Guide] This guide provides detailed hardware installation instructions for Cisco Catalyst 1000 Series 8-Port and 16-Port Gigabit Ethernet switches, covering setup, mounting, connections, and troubleshooting for enterprise network environments.
	[Cisco FlexConnect Bonjour Deployment Guide for Cisco DNA Service] A comprehensive guide detailing the deployment of Cisco DNA Service for Bonjour with Cisco FlexConnect wireless networks, enabling seamless service discovery and distribution across wired and wireless environments.
	[Cisco Protocol Pack 70.0.0 Release Notes] Release notes for Cisco NBAR2 Protocol Pack version 70.0.0, detailing new protocols like ws-discovery and improvements to http, ms-services, and ssl classification. Includes supported platforms, download information, and resolved caveats.
	[Cisco Wireless Mobility and Roaming Configuration Guide] A comprehensive guide to understanding and configuring mobility features, including intracontroller, intercontroller, and SDA roaming, on Cisco wireless controllers.
	[Cisco Automated Frequency Coordination: Configuration and Management] This document provides a comprehensive overview of Cisco's Automated Frequency Coordination (AFC) system for 6-GHz Wi-Fi deployments. Learn about AFC architecture, configuration procedures via GUI and CLI, prerequisites, and verification commands to ensure optimal spectrum utilization and minimize interference.
	[Managing SD-Routing Devices with Cisco SD-WAN Manager] A comprehensive guide on managing and monitoring SD-Routing devices using Cisco SD-WAN Manager, covering onboarding, software management, monitoring, and troubleshooting.