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Cisco C1300-8T-E-2G

Cisco Catalyst 1300-8T-E-2G Managed Switch User Manual

MODEL: C1300-8T-E-2G

1. Overview

The Cisco Catalyst 1300-8T-E-2G switch is a fully managed switch designed to provide reliable and secure connectivity for small business networks. This device facilitates digital transformation by offering full Layer 2/3 capabilities, an intuitive web dashboard, advanced networking features, and Power over Ethernet Plus (PoE+) support.

Video 1: This video provides an overview of the Cisco Catalyst 1200 and 1300 Series Switches, highlighting their value proposition for business connectivity and performance.

2. Key Features

- **Switch Ports:** 8 ports 10/100/1000 Gigabit Ethernet + 2x 1GE copper/SFP combo ports.
- **Simple Management:** Features an intuitive Cisco Business mobile app, local web interface, and Cisco Business Dashboard for easy setup, management, and monitoring without requiring extensive IT expertise.
- **Enhanced Security:** Includes IP-MAC port binding to detect and block network attacks, and IPv6 First Hop Security for protection against address spoofing and man-in-the-middle attacks on IPv6 networks.
- **Energy Efficient:** Optimizes power usage to reduce operational costs, compliant with IEEE 802.3az Energy Efficient Ethernet. Fanless design in select models.
- **Small Business Optimized:** Requires no subscription or licenses for use, and includes a limited lifetime hardware warranty with complimentary 1-year technical support.

3. Package Contents

Verify that all items are present in the package:

- Cisco Catalyst 1300-8T-E-2G Switch
- Power cord or adapter
- USB Type C cable
- Mounting hardware

Video 2: This video demonstrates the unboxing process for the Cisco Catalyst 1300 series, showing the contents included in the package.

4. Setup Instructions

Follow these steps to set up your Cisco Catalyst 1300-8T-E-2G Managed Switch:

- Connect Power:** Connect the provided power adapter to the switch's power input and then to a power outlet. Ensure the power LED on the switch illuminates.
- Connect to Router:** Use an Ethernet cable to connect one of the switch's Gigabit Ethernet ports to your network router or gateway.
- Connect Devices:** Connect your network devices (computers, servers, access points) to the remaining Gigabit Ethernet ports on the switch.
- Mobile App Setup:** Download and launch the Cisco Business mobile app on your smartphone. Follow the in-app instructions to discover and configure your switch. This typically involves creating a site and adding your device.
- Web Interface Setup (Optional):** For advanced configuration, access the switch's web-based management interface by entering its IP address into a web browser. Refer to the Quick Start Guide for default login credentials.



Image 1: Rear view of the Cisco Catalyst 1300-8T-E-2G Managed Switch, illustrating the 8 Gigabit Ethernet ports and 2 SFP/copper combo ports for network connections.

5. Operation

The Cisco Catalyst 1300-8T-E-2G switch can be managed through the Cisco Business mobile app or the web-based Cisco Business Dashboard.

- Cisco Business Mobile App:** Use the mobile app for initial setup, monitoring device status, viewing connected clients, and performing basic actions like rebooting the switch or upgrading firmware. The app provides a simplified interface for common management tasks.
- Cisco Business Dashboard (Web UI):** For more advanced configurations, such as VLAN setup, Access Control Lists (ACLs), Quality of Service (QoS), and detailed network monitoring, use the web-based Cisco Business Dashboard. This interface offers comprehensive tools for granular control over your network.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your switch:

- Physical Inspection:** Periodically check all cable connections to ensure they are secure. Keep the switch in a well-ventilated area, free from dust and obstructions.
- Firmware Updates:** Regularly check for and apply the latest firmware updates. Firmware updates often include security patches, bug fixes, and performance enhancements.
- Configuration Backup:** Back up your switch configuration regularly. This allows for quick restoration in case of accidental changes or device failure.
- Environmental Conditions:** Ensure the switch operates within its specified temperature and humidity ranges to prevent overheating and damage.

7. Troubleshooting

If you encounter issues with your switch, consider the following troubleshooting steps:

- **No Power:** Verify that the power adapter is securely connected to both the switch and a working power outlet. Check the power LED status.
- **No Network Connectivity:** Ensure all Ethernet cables are properly connected. Check the link/activity LEDs on the ports for activity. Power cycle the switch and connected devices.
- **Accessing Management Interface:** Confirm your device is on the same network segment as the switch. Verify the switch's IP address and your login credentials.
- **Performance Issues:** Check for excessive network traffic or potential loops. Ensure firmware is up to date.
- **Consult Documentation:** Refer to the detailed online documentation or contact Cisco support if issues persist.

8. Specifications

Specification	Value
Product Dimensions (LxWxH)	21.26" x 11.81" x 3.94"
Item Weight	2.79 pounds (1.27 Kilograms)
Voltage	230 Volts
Case Material	Plastic
Upper Temperature Rating	40 Degrees Celsius
Interface Type	PoE, SFP
Data Transfer Rate	1000 Megabits Per Second
Manufacturer	Cisco
UPC	889728522090
Wireless Type	802.11n (Note: This specification might refer to compatible devices, as switches are typically wired.)
Series	0889728522090
Item model number	C1300-8T-E-2G
Operating System	Standard
Date First Available	September 14, 2023
Number of Ports	8

9. Warranty and Support

The Cisco Catalyst 1300-8T-E-2G Managed Switch comes with a limited lifetime hardware warranty, providing assurance for the product's durability and reliability. Additionally, complimentary one-year technical support is included to assist with any setup or operational queries.

For further assistance, detailed documentation, or to contact support, please visit the official Cisco support website or refer to the Quick Start Guide included with your product.

