Cisco C1111-8P

Cisco C1111-8P 1100 Series 8-Port Dual WAN Ethernet Integrated Services Router Instruction Manual

Brand: Cisco | **Model:** C1111-8P

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Cisco C1111-8P 1100 Series 8-Port Dual WAN Ethernet Integrated Services Router. Designed for small businesses and enterprises, this router offers robust networking capabilities, including dual WAN support for enhanced reliability and integrated services for comprehensive network management. Please read this manual thoroughly before installation and use.

2. WHAT'S IN THE BOX

Verify that all items are present in your product packaging:

- Cisco C1111-8P 1100 Series Router
- Power Cord
- Power Adapter
- Mounting Kit
- USB Type-C Cable
- Documentation CD

For a visual guide to unboxing, refer to the video below:

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Video Description: This video demonstrates the unboxing process for a Cisco Catalyst 1200 Series Switch, which shares similar packaging and initial setup components with the C1111-8P router. It shows the contents of the box, including the device, power supply, and cables.

3. PRODUCT OVERVIEW

The Cisco C1111-8P router features a compact design with various ports for network connectivity and management. Below is an image highlighting the rear panel components:

Image Description: A rear view of the Cisco C1111-8P router. The device is light gray with a perforated top surface for ventilation. The rear panel features a variety of ports and labels. From left to right, there's a grounding screw, a small reset button, a power input port (labeled 12V=3.5A and -53.5V=1.55A), eight Ethernet LAN ports (labeled 1 through 8), two WAN/LAN ports (labeled 0/0/1 and 0/0/0), an SFP port (labeled 0/1/X), a SuperSpeed USB port (labeled SS), a console port, and a Kensington lock slot. Serial number and product information stickers are also visible.

Key Components:

- **Power Input:** Connects to the power adapter. Supports 12V=3.5A and -53.5V=1.55A.
- **Ethernet LAN Ports (1-8):** Eight Gigabit Ethernet ports for connecting local network devices.
- **WAN/LAN Ports (0/0/0, 0/0/1):** Two configurable Gigabit Ethernet ports that can function as either WAN (for internet connectivity) or LAN ports.
- **SFP Port (0/1/X):** A Small Form-Factor Pluggable port for fiber optic or copper connectivity, often used for high-speed WAN connections.
- **USB Port (SS):** A SuperSpeed USB port for connecting external storage or other USB devices.
- **Console Port:** Used for direct command-line interface (CLI) access for advanced configuration and troubleshooting.
- **Kensington Lock Slot:** Provides physical security for the device.
- **Reset Button:** Used to reset the device to factory default settings.

4. SETUP GUIDE

4.1. Power Connection

1. Connect the power adapter to the router's power input port.
2. Plug the power cord into the power adapter, then into a suitable electrical outlet.

3. Wait for the router to power on and initialize. This may take a few minutes.

4.2. Network Connection

1. Connect your modem's Ethernet cable to one of the WAN ports (e.g., 0/0/0 or 0/0/1) on the router.
2. Connect your local network devices (computers, switches, external wireless access points) to the Ethernet LAN ports (1-8) using Ethernet cables.
3. If using a Cisco Business Wireless Access Point, connect it to one of the LAN ports.

4.3. Initial Configuration

The Cisco C1111-8P router can be configured using the Cisco Business mobile app or the web user interface.

1. **Using the Cisco Business Mobile App:**
   - Download the "Cisco Business" mobile app from your device's app store (available for Android and iOS).
   - Scan the QR code on the router or its packaging to quickly access the Quick Start Guide and Documentation Portal.
   - Follow the in-app instructions to create your first site, add your address, and configure the device.
   - The app allows you to monitor device status, perform actions, and manage connected clients.

2. **Using the Web User Interface (UI):**
   - Connect a computer directly to one of the router's LAN ports.
   - Open a web browser and enter the router's default IP address (refer to the Quick Start Guide or documentation for the specific IP).
   - Log in using the default credentials (change these immediately after initial setup for security).
   - The web UI and Cisco Business Dashboard offer advanced configuration tools for detailed network management.

For a visual guide to initial setup and app usage, refer to the video below:

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Video Description: This video demonstrates the unboxing and initial setup of a Cisco Catalyst 1200 Series Switch, including connecting power, connecting to a router, and using the Cisco Business mobile app for configuration. It highlights the ease of setup and management.

5. OPERATING INSTRUCTIONS

5.1. Basic Network Operation

Once configured, your Cisco C1111-8P router will manage internet access and local network traffic. Devices connected to the LAN ports or via external wireless access points will have access to the internet and other network resources.

5.2. Dual WAN Functionality

The router supports dual WAN connections, allowing you to connect to two different internet service providers. This feature can be used for:

- **Load Balancing:** Distributes network traffic across both WAN connections to optimize bandwidth and performance.

- **Failover:** Automatically switches to the secondary WAN connection if the primary connection fails, ensuring continuous internet access.

5.3. Integrated Services

As an Integrated Services Router, the C1111-8P provides a range of advanced features for secure and efficient network operations, including:

- **Security Features:** Built-in firewall, VPN capabilities for secure remote access and site-to-site connections.
- **Quality of Service (QoS):** Prioritize critical network traffic (e.g., voice, video) to ensure optimal performance.
- **Network Management:** Centralized management through the Cisco Business Dashboard for monitoring and control.

6. MAINTENANCE

- **Firmware Updates:** Regularly check for and install the latest firmware updates to ensure optimal performance, security, and access to new features. This can typically be done via the Cisco Business mobile app or web UI.
- **Physical Cleaning:** Keep the router in a clean, dust-free environment. Periodically clean the exterior with a soft, dry cloth. Ensure ventilation slots are not obstructed.
- **Environmental Conditions:** Operate the router within recommended temperature and humidity ranges to prevent overheating and ensure longevity.

7. TROUBLESHOOTING

7.1. No Internet Connection

- Check if the modem is working correctly and has an active internet connection.
- Verify that the Ethernet cable from the modem is securely connected to the WAN port on the router.
- Restart both the modem and the router.
- Check the WAN port status lights on the router; they should indicate activity.

7.2. Slow Network Speed

- Ensure your internet service plan matches your usage needs.
- Check for excessive network traffic or bandwidth-intensive applications running on your network.
- Verify that all Ethernet cables are Cat5e or higher for Gigabit speeds.
- Consider optimizing QoS settings if specific applications require higher priority.

7.3. Device Not Connecting

- For wired connections, ensure the Ethernet cable is properly connected to both the device and a LAN port on the router. Check the corresponding LAN port status light.
- For wireless connections (via an external access point), ensure the access point is powered on and properly connected to the router. Verify Wi-Fi settings and credentials.
- Restart the device you are trying to connect.

8. SPECIFICATIONS

Feature	Detail
Brand	Cisco
Model Name	C1111-8P
Item Model Number	C1111-8P
Description	Cisco 1100 Series Dual WAN Router.
Connectivity Technology	USB
Special Feature	WPS
Frequency Band Class	Single-Band
Wireless Communication Standard	802.11ax
Compatible Devices	Personal Computer
Recommended Uses For Product	Small Business or Enterprise
Included Components	CD
Color	black
Item Weight	4 pounds
Package Dimensions	18 x 12 x 2 inches
Manufacturer	Cisco Systems
Date First Available	April 24, 2023

9. WARRANTY AND SUPPORT

Your Cisco C1111-8P router comes with:

- **Limited Lifetime Hardware Warranty:** Provides coverage for hardware defects for the lifetime of the product.
- **Complimentary One-Year Phone Support:** Access to technical assistance via phone for one year from the date of purchase.

For additional information and support resources, please visit the official Cisco website or refer to the documentation included with your product.

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Video Description: This video highlights the value proposition of Cisco Catalyst 1200 and 1300 Series Switches, emphasizing ease of setup, monitoring, management, complimentary one-year phone support, and a limited lifetime hardware warranty. These benefits are applicable to the Cisco C1111-8P router as part of the Cisco Business product line.