EnGenius ECS1552

EnGenius Cloud ECS1552 48-Port Gigabit Switch User Manual

Model: ECS1552

1. INTRODUCTION

This manual provides detailed instructions for the installation, configuration, and operation of the EnGenius Cloud ECS1552 48-Port Gigabit Layer 2+ Switch. Please read this manual thoroughly before using the device to ensure proper setup and optimal performance. Keep this manual for future reference.

2. PRODUCT OVERVIEW

The EnGenius Cloud ECS1552 is a high-performance 48-port Gigabit Layer 2+ switch designed for robust network environments. It features 48 Gigabit Ethernet ports and 4 10-Gigabit SFP+ uplink ports, offering flexible deployment options for both Cloud and on-premises management. This switch provides advanced Layer 2+ features to optimize network efficiency and ensure peak performance.

Key Features:

- 48 High-Speed Gigabit Ethernet Ports for extensive device connectivity.
- Full-Featured Layer 2+ Switching for advanced network management capabilities.
- 176 Gbps Switching Capacity for lightning-fast data processing.
- 4 Dual-Speed 10G SFP+ Uplink Ports for high-speed fiber optic connections.
- IGMP & MLD Snooping to ensure efficient multicast filtering and optimized network traffic.

Figure 2.1: Front view of the EnGenius Cloud ECS1552 switch, showing 48 Gigabit Ethernet ports and 4 SFP+ uplink ports on the right.

Figure 2.2: Angled front view of the EnGenius Cloud ECS1552, highlighting the port layout and status indicators.

Figure 2.3: Rear view of the EnGenius Cloud ECS1552 switch, showing the power input connector.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- EnGenius Cloud ECS1552 48-Port Gigabit Switch
- Power Cord
- Rack Mount Kit (brackets and screws)
- Quick Installation Guide

If any items are missing or damaged, please contact your vendor or EnGenius support immediately.

4. SETUP

4.1 Physical Installation

1. **Rack Mounting:** Attach the provided rack-mount brackets to the sides of the switch using the included screws. Secure the switch into a standard 19-inch equipment rack.
2. **Desktop Placement:** If not rack-mounting, ensure the switch is placed on a flat, stable surface with adequate ventilation. Do not block the ventilation holes.

4.2 Power Connection

1. Connect one end of the power cord to the AC power inlet on the rear panel of the switch.
2. Connect the other end of the power cord to a grounded electrical outlet.
3. The switch will power on automatically. Verify the power LED indicator on the front panel illuminates.

4.3 Network Connections

1. **Ethernet Ports:** Connect standard RJ-45 Ethernet cables from your network devices (computers, servers, access points) to the Gigabit Ethernet ports (1-48) on the front panel.

2. **SFP+ Uplink Ports:** For high-speed connections, insert compatible 10G SFP+ transceivers into the SFP+ ports (49-52) and connect fiber optic cables to your core network or other SFP+ enabled devices.

4.4 Initial Configuration Access

The ECS1552 switch supports both Cloud and on-premises management. Refer to the EnGenius Cloud documentation or the Quick Installation Guide for initial access methods, which typically involve connecting a management PC to a switch port and accessing a default IP address via a web browser, or registering the device with the EnGenius Cloud platform.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- **Power On:** Once the power cord is connected, the switch will automatically power on. The Power LED on the front panel will illuminate.
- **Power Off:** To power off the switch, disconnect the power cord from the electrical outlet.

5.2 LED Indicators

The front panel features various LED indicators to provide status information:

- **Power LED:** Indicates the power status of the switch.
- **Link/Activity LEDs (per port):** Indicates a valid network link and flashes to show data activity on the respective port.
- **System LED:** Indicates the overall system status (e.g., ready, error). Refer to the full user manual for specific LED patterns.

5.3 Management Interface

The ECS1552 can be managed via:

- **EnGenius Cloud:** For centralized management, monitoring, and configuration of multiple EnGenius devices from a single platform.
- **Local Web Interface:** Access the switch's web-based graphical user interface (GUI) via a web browser for direct configuration.
- **Command Line Interface (CLI):** For advanced users, the CLI provides granular control over switch settings.

Detailed instructions for using each management interface are available in the comprehensive EnGenius Cloud ECS1552 User Manual, downloadable from the EnGenius support website.

6. MAINTENANCE

6.1 Cleaning

Regularly clean the exterior of the switch with a soft, dry cloth. Do not use liquid or aerosol cleaners. Ensure ventilation openings are free from dust and obstructions.

6.2 Firmware Updates

Periodically check the EnGenius support website for firmware updates. Keeping the firmware up-to-date ensures optimal performance, security, and access to new features. Follow the instructions provided with the firmware update package carefully.

6.3 Environmental Considerations

Ensure the switch operates within its specified temperature and humidity ranges. Avoid exposing the device to direct sunlight, excessive heat, or moisture.

7. TROUBLESHOOTING

7.1 No Power

- Verify the power cord is securely connected to both the switch and a working electrical outlet.
- Check if the electrical outlet is functional by plugging in another device.

7.2 No Link on a Port

- Ensure the Ethernet or fiber cable is properly connected at both ends.
- Verify the connected device is powered on and functioning correctly.
- Try a different port on the switch or a different cable.

7.3 Slow Network Performance

- Check for excessive network traffic or bottlenecks on connected devices.
- Ensure all cables are of appropriate quality and length for Gigabit speeds.
- Verify duplex settings on connected devices match the switch's auto-negotiation or configured settings.

For more complex issues, consult the full user manual or contact EnGenius technical support.

8. SPECIFICATIONS

Feature	Specification
Model Number	ECS1552
Brand	EnGenius
Number of Ports	48 Gigabit Ethernet + 4 SFP+
Data Transfer Rate	120 Gigabits Per Second (Aggregate)
Switching Capacity	176 Gbps
Interface Type	RJ-45, SFP+
Product Dimensions	17.32 x 10.23 x 1.73 inches
Item Weight	8.17 pounds
UPC	655216009875
Manufacturer	EnGenius Technologies

9. WARRANTY AND SUPPORT

EnGenius products are backed by a limited warranty. For specific warranty terms and conditions applicable to your region, please refer to the warranty information included with your product or visit the official EnGenius website.
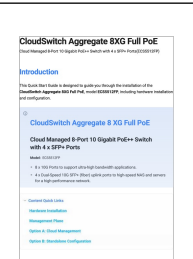
For technical assistance, product documentation, or to download the latest firmware, please visit the EnGenius

support portal:

https://www.engeniustech.com/support

When contacting support, please have your product model (ECS1552) and serial number available.

Related Documents - ECS1552

	[EnGenius Cloud-Managed Switch Series Datasheet](#) Comprehensive datasheet for EnGenius Cloud-Managed Switch Series, detailing features, benefits, technical specifications, and product models for enterprise-grade network management.
	[EnGenius FitSwitch 48 Full PoE (EWS7952FP-FIT) Quick Start Guide](#) Quick start guide for installing and configuring the EnGenius FitSwitch 48 Full PoE (EWS7952FP-FIT), a 48-port Gigabit PoE+ switch with 4 SFP ports. Includes package contents, system requirements, and hardware overview.
	[EnGenius CloudSwitch Aggregate 8XG Full PoE ECS5512FP Quick Start Guide](#) This guide provides installation and configuration instructions for the EnGenius CloudSwitch Aggregate 8XG Full PoE (ECS5512FP), detailing package contents, system requirements, and hardware overview.
	[EnGenius Gateway6 4mG (ESG610) Cloud-Managed VPN Router Quick Start Guide](#) Quick start guide for installing and configuring the EnGenius Gateway6 4mG (ESG610) Cloud-Managed VPN Router, covering hardware overview, installation, and cloud setup.
	[EnGenius Intelligent IP-Camera EDS1130 User Manual](#) User manual for the EnGenius Intelligent IP-Camera EDS1130. This guide provides detailed instructions for installation, configuration, and operation of the camera, including features like infrared night vision, H.264 encoding, and EnGenius Cloud services.
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