Hiseeu 10-Port

Hiseeu 10-Port 1000 Mbps PoE Switch User Manual

Model: 10-Port

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Hiseeu 10-Port 1000 Mbps PoE Switch. Please read this manual thoroughly before using the device to ensure proper functionality and safety.

Package Contents

- Hiseeu 10-Port PoE Switch
- Power Supply

2. PRODUCT FEATURES

- **High Power 120W & 802.3 af/at Compliant:** Features 8 PoE+ ports and 2 Uplink Ethernet ports. Each PoE+ port delivers up to 30W, with a total power budget of 120W.
- **Extended Range & Speed:** Includes 2 Gigabit Uplink Ports (1000 Mbps) and 8 PoE+ ports. Default mode offers 100 Mbps up to 100m (328 ft). Extend mode increases distance to 250m (820 ft) for PoE+ ports 1-6.
- **Unmanaged Plug & Play:** Requires no software installation or configuration. Simply connect the power cord and network cables.
- **AI PD Detection (AI Watchdog):** Automatically detects abnormal port connection issues, such as unresponsive PoE devices, and intelligently reboots the port to restore functionality.
- **Durable Construction:** Sturdy metal case designed for efficient heat dissipation, ensuring smooth and quiet operation.
- **4KV Lightning Protection:** Integrated surge protection for enhanced device longevity and reliability.

3. PRODUCT OVERVIEW

The Hiseeu 10-Port PoE Switch is designed for reliable network connectivity and power delivery to PoE-compatible devices.
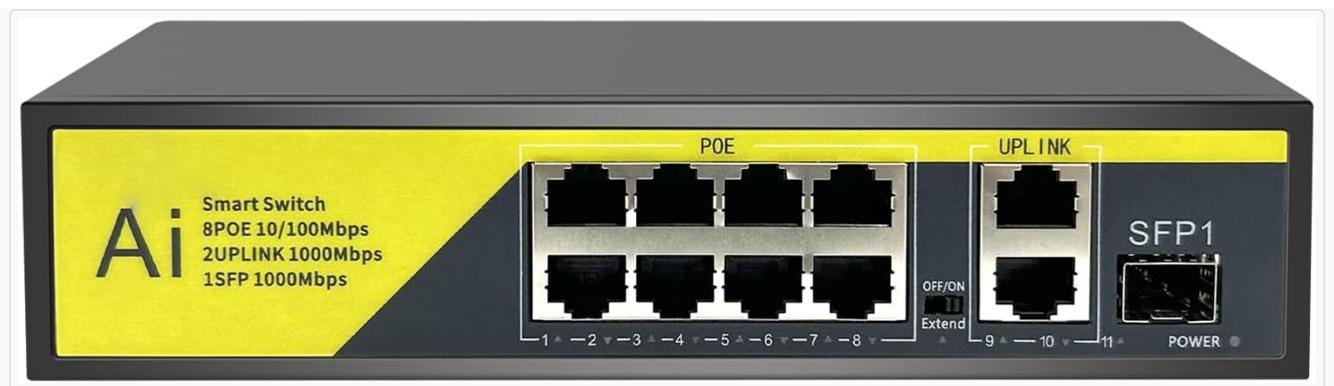
Image: Rear view of the Hiseeu 10-Port PoE Switch, highlighting the 8 PoE ports, 2 Uplink ports, SFP slot, and the Extend switch.

Port Layout

- **PoE Ports (1-8):** 10/100 Mbps ports supporting 802.3af/at Power over Ethernet. Connect your PoE-powered devices (e.g., IP cameras, IP phones, wireless access points).
- **Uplink Ports (9-10):** 1000 Mbps Ethernet ports for connecting to your router, NVR, or other network devices.
- **SFP1 Port:** 1000 Mbps SFP slot for fiber optic connections (transceiver not included).
- **Extend Switch:** Toggles between default mode (100m range) and extend mode (250m range for PoE ports 1-6).
- **Power Port:** Connects to the included power adapter.

4. SETUP INSTRUCTIONS

The Hiseeu PoE Switch is designed for simple plug-and-play operation.

1. **Connect Power:** Plug the included power adapter into the DC power port on the switch and then into a standard electrical outlet.

2. **Connect Uplink:** Connect one of the Uplink Ethernet ports (9 or 10) to your router, NVR, or main network device using a standard Ethernet cable.

3. **Connect PoE Devices:** Connect your PoE-powered devices (e.g., IP cameras, IP phones) to the PoE ports (1-8) using Ethernet cables. The switch will automatically detect and power these devices.

4. **Optional SFP Connection:** If using a fiber optic connection, insert a compatible SFP module into the SFP1 slot and connect your fiber cable.

Image: Connection diagram illustrating the simple setup process for the Hiseeu PoE Switch with various network devices.

5. OPERATING INSTRUCTIONS

Standard and Extend Modes

The Hiseeu PoE Switch features an 'Extend' switch to adjust the transmission distance:

- **Default Mode (Extend OFF):** Provides data transmission up to 100 meters (328 feet) at 100 Mbps.
- **Extend Mode (Extend ON):** Extends the data transmission distance for PoE ports 1-6 up to 250 meters (820 feet) at a reduced speed of 10 Mbps. This mode is ideal for long-distance deployments of IP cameras or other PoE devices where high bandwidth is not critical.

Image: Visual representation of the Extend mode functionality, showing increased range for PoE devices.

AI Watchdog Function

The integrated AI Watchdog function continuously monitors the connection status of PoE-powered devices. If a device becomes unresponsive or experiences an abnormal connection, the switch will automatically detect the issue and reboot the specific PoE port to restore its operation. This feature enhances system reliability and reduces the need for manual intervention.

AI Watchdog Function

Auto Detecting the Abnormal Issues of Port Connection, and Repair themselves Intelligently
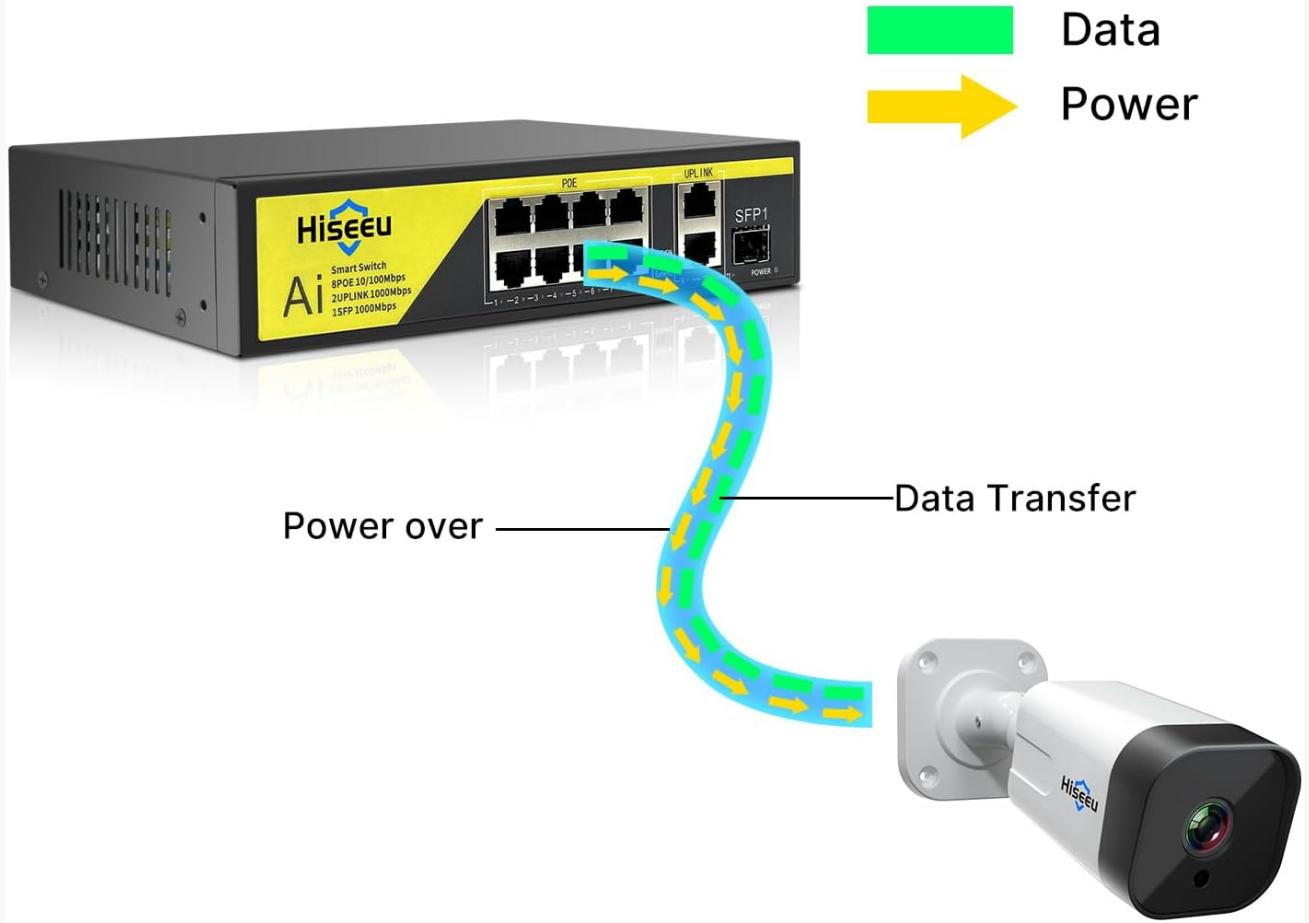

Image: Illustration of the AI Watchdog function, demonstrating automatic detection and repair of unresponsive PoE devices.

6. MAINTENANCE

To ensure optimal performance and longevity of your Hiseeu PoE Switch, follow these maintenance guidelines:

- **Environmental Conditions:** Operate the switch within its specified temperature range of -40°C to 70°C. Avoid exposing the device to extreme temperatures, high humidity, or direct sunlight.
- **Cleaning:** Keep the switch clean and free from dust. Use a soft, dry cloth for cleaning. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure proper airflow around the device. The sturdy metal case is designed for efficient heat dissipation, but obstructions to ventilation slots should be avoided. The fanless design ensures silent operation.
- **Cable Management:** Organize network cables to prevent strain on ports and ensure proper connections.

Image: Overview of the switch's robust design, highlighting features like temperature resistance and fanless operation.

7. TROUBLESHOOTING

If you encounter issues with your Hiseeu PoE Switch, consider the following common troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the switch and a working electrical outlet. Check the power indicator light on the switch.
- **No Network Connection:** Verify that all Ethernet cables are properly connected to the correct ports on the switch and connected devices. Check the link/activity LEDs on the ports.
- **PoE Device Not Receiving Power/Data:**
  - Ensure the connected device is PoE-compatible (802.3af/at).
  - Check the cable length. If using Extend mode, ensure the device is connected to ports 1-6 and the switch is set to 'Extend ON'.
  - The AI Watchdog function should automatically attempt to restore unresponsive devices. If not, try disconnecting and reconnecting the device's Ethernet cable.
  - Verify the total power budget (120W) is not exceeded by all connected PoE devices.
- **Slow Data Transfer:** Ensure all cables are Cat5e or higher. If in Extend mode, remember that speed is reduced to 10 Mbps for longer distances. Check for network congestion or issues with connected devices.
- **Intermittent Connection:** Check for loose cable connections. Ensure the switch is placed in a stable environment away from strong electromagnetic interference.

If problems persist after attempting these steps, please contact Hiseeu customer support for further assistance.

8. SPECIFICATIONS

Feature	Specification
Model Number	10-Port
Number of Ports	8 PoE+ Ports, 2 Uplink Ethernet Ports, 1 SFP Slot
PoE Standard	IEEE 802.3af/at
PoE Power Budget	120W Total, up to 30W per PoE+ port
Data Transfer Rate	10/100 Mbps (PoE Ports), 1000 Mbps (Uplink Ports, SFP Slot)
Transmission Distance	100m (Default Mode), 250m (Extend Mode for PoE Ports 1-6)
Interface Type	PoE+, RJ45, SFP
Product Dimensions	10.63"L x 6.3"W x 2.2"H
Item Weight	1.96 pounds
Operating Temperature	-40°C to 70°C
Lightning Protection	4KV Surge Protection
Case Material	Sturdy Metal

9. WARRANTY AND SUPPORT

Hiseeu is committed to providing reliable products and excellent customer service.

- **Product Warranty:** Your Hiseeu PoE Switch is covered by a product warranty. Please refer to the warranty card included with your purchase or visit the official Hiseeu website for specific terms and conditions.
- **30-Day Free Return:** Hiseeu offers a 30-day free return policy for eligible purchases.
- **Lifetime Technical Support:** Hiseeu provides lifetime technical support for its products. If you require assistance with setup, operation, or troubleshooting, please contact our support team.

We Provide

- Life Time Tech Support
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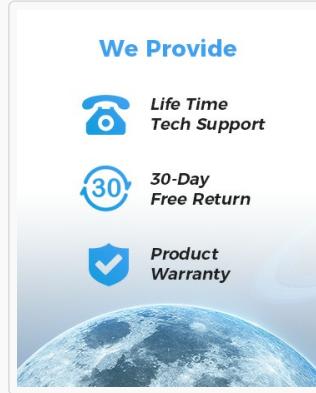
Image: Hiseeu's commitment to customer satisfaction, including technical support and warranty information.
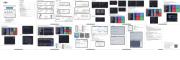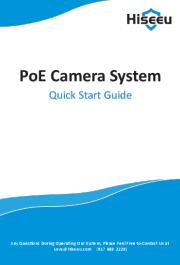
Privacy and Data Security

Hiseeu products are designed with privacy in mind. User's personal data is encrypted for local use (e.g., on a TV monitor) or for network access via the official Hiseeu app or PC client software, ensuring data protection.

Related Documents - 10-Port

	Hiseeu B004-V2.0 PoE Security Camera System: Quick Start Guide Comprehensive quick start guide for the Hiseeu B004-V2.0 PoE Security Camera System, featuring 5MP H.265 8CH NVR capabilities. This guide covers package contents, product review, system connection, live view setup, mobile app and PC client access, motion detection, and factory reset procedures.
	Hiseeu 10 -POE-1 B007-V2.0 5MP PoE PTZ Security Camera System User Manual Comprehensive user manual for the Hiseeu 10 -POE-1 B007-V2.0 outdoor video surveillance kit. Features 5MP PoE PTZ cameras with auto-tracking, human detection, 8CH NVR, 3TB HDD, 10-inch monitor, and 30m color night vision. Includes safety certifications.

	[Hiseeu PoE Security Camera System Quick Guide](#) A quick guide to setting up and using the Hiseeu PoE Security Camera System, covering installation, recording, playback, remote access, and troubleshooting.
	[Hiseeu PoE IP Camera Quick Start Guide](#) A comprehensive guide to setting up and connecting your Hiseeu PoE IP Camera using the Danale P2P system, including web interface and mobile app access.
	[Hiseeu HD IP Camera User Guide - Setup, Configuration, and Troubleshooting](#) Comprehensive user guide for Hiseeu HD IP cameras (HB61X, HB21X, HB41X, HC61X, HD81X). Learn how to connect, configure IP addresses, use CMS software, set up motion detection, upgrade firmware, and troubleshoot common issues.
	[Hiseeu PoE Camera System Quick Start Guide](#) A comprehensive quick start guide for the Hiseeu PoE Camera System, detailing installation, setup, operation, and troubleshooting for Hiseeu security cameras and NVRs.