

Hunsn RS07

Hunsn RS07 Firewall VPN 1U Rackmount Network Appliance User Manual

1. INTRODUCTION

The Hunsn RS07 is a high-performance 1U rackmount network appliance designed for firewall, VPN, and routing applications. It features an Intel Celeron 2950M processor, multiple 2.5 Gigabit LAN ports, and 10 Gigabit SFP+ ports, making it suitable for various network environments requiring robust security and high-speed data transfer. This manual provides essential information for the proper setup, operation, and maintenance of your Hunsn RS07 device.

2. SAFETY INFORMATION

- Always disconnect power before cleaning or servicing the device.
- Ensure proper ventilation around the appliance to prevent overheating. Do not block ventilation openings.
- Do not expose the device to moisture, water, or extreme temperatures.
- Use only the power cable and adapter provided by the manufacturer.
- Avoid placing the device on unstable surfaces.
- Refer all servicing to qualified service personnel.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Hunsn RS07 Firewall Appliance
- Rackmount Ears (for 1U rack installation)
- Power Cable
- Warranty Card

4. PRODUCT OVERVIEW

4.1. Device Layout

The Hunsn RS07 features a compact 1U rackmount chassis. The front panel typically includes status indicators and a

power button. The rear panel houses the primary connectivity ports.



Figure 1: Top-down view of the Hunsn RS07 network appliance.

4.2. Rear Panel Ports

The rear panel provides all necessary input/output interfaces for network connectivity and management.

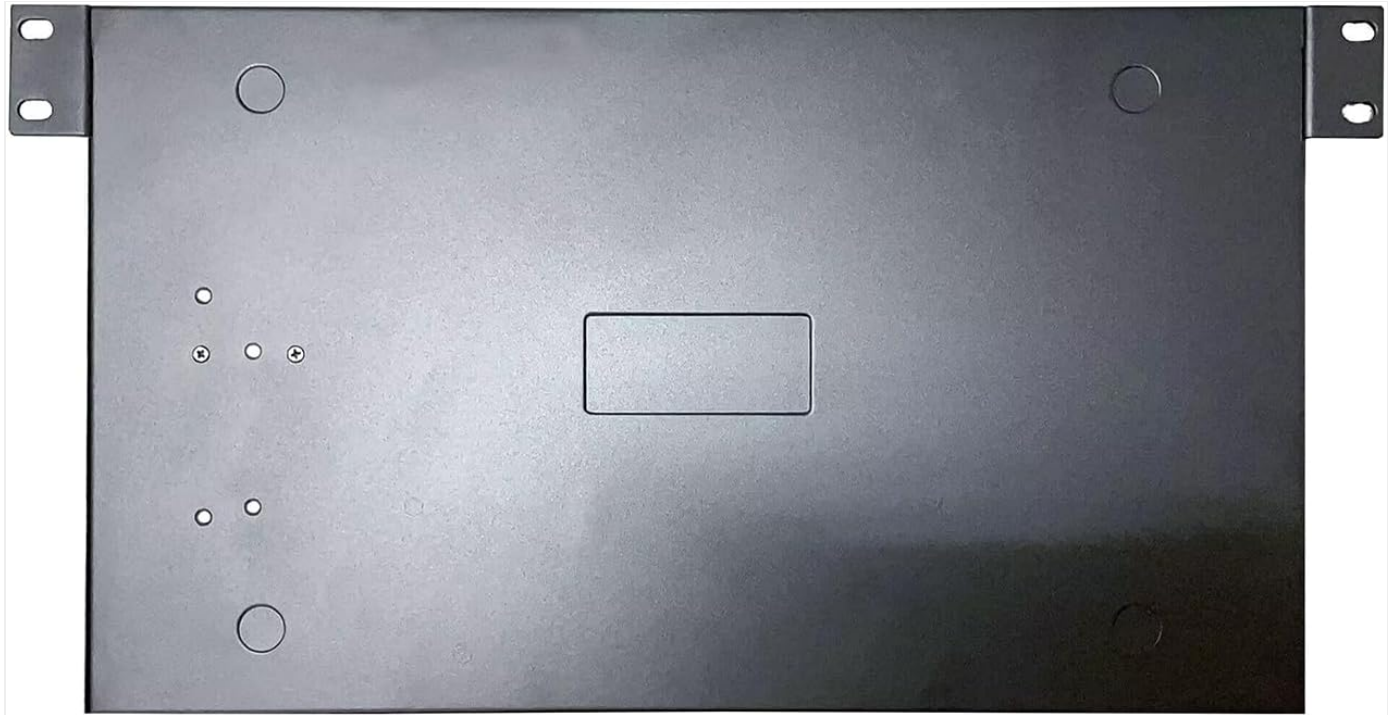


Figure 2: Rear panel of the Hunsn RS07 with port details.

- **Console Port:** For serial console access.
- **USB 3.0 Ports (x2):** For connecting peripherals like keyboard, mouse, or USB storage.
- **LAN Ports (x8):** Intel I226-V 2.5 Gigabit Ethernet ports for network connections.
- **SFP+ Ports (x2):** 10 Gigabit SFP+ ports (Intel 82599ES) for high-speed fiber or DAC connections.
- **VGA Port:** For connecting a display monitor.
- **Power Switch:** To turn the device on or off.
- **Power Input:** For connecting the power cable.

5. SETUP

5.1. Physical Installation

1. **Rackmount Installation:** Attach the included rackmount ears to the sides of the appliance using the provided screws. Secure the appliance into a standard 19-inch server rack.
2. **Desktop Installation:** Place the appliance on a flat, stable surface with adequate ventilation.

5.2. Connecting Peripherals

- Connect a monitor to the VGA port.
- Connect a USB keyboard and mouse to the USB 3.0 ports.
- Connect your network cables to the appropriate LAN or SFP+ ports based on your network topology.

5.3. Powering On

1. Connect the power cable to the power input on the rear panel and then to a power outlet.
2. Press the power switch on the rear panel to turn on the device.

5.4. Initial Configuration

The Hunsn RS07 is compatible with various router operating systems based on FreeBSD, Linux distributions, or Windows OS. Common compatible software includes pfSense, OpenSense, and RouterOS. Refer to the documentation of your chosen operating system for detailed installation and initial configuration instructions. The device supports Intel AES-NI instructions for enhanced cryptographic performance.

6. OPERATING

Once the operating system is installed and configured, the Hunsn RS07 functions as a dedicated network appliance. Its 8x 2.5 Gigabit LAN ports and 2x 10 Gigabit SFP+ ports provide flexible connectivity options for various network roles, including firewall, router, VPN server, or network gateway.

- **WAN-LAN Throughput:** The device is capable of achieving 2.5 Gigabit per second throughput between LAN and WAN interfaces for 2.5Gbe ports. For 10Gbe SFP+ ports, throughput can reach approximately 5 Gigabit per second or more, depending on the specific configuration and software used.
- **Expansion:** A mini PCIE slot is available for WiFi/3G/4G modules, sharing the signal with the mSATA slot. A SIM card slot is also provided for cellular connectivity.

7. MAINTENANCE

- **Cleaning:** Regularly clean the exterior of the device with a soft, dry cloth. Ensure ventilation openings are free from dust and debris to maintain optimal cooling.
- **Firmware/Software Updates:** Keep your chosen operating system and firmware updated to ensure optimal performance, security, and access to the latest features. Refer to the specific OS documentation for update procedures.
- **Cooling System:** The device utilizes a silent turbo fan for cooling the CPU, ensuring stable and long-term operation. No specific user maintenance is required for the fan, but ensure airflow is not obstructed.

8. TROUBLESHOOTING

If you encounter issues with your Hunsn RS07, consider the following:

- **No Power:** Ensure the power cable is securely connected to both the device and the power outlet. Verify the power switch is in the 'On' position.

- **No Display Output:** Check the VGA cable connection to the monitor and ensure the monitor is powered on and set to the correct input.
- **Network Connectivity Issues:** Verify all Ethernet and SFP+ cables are properly connected. Check the status LEDs on the ports. Consult your operating system's network configuration settings.
- **Software-Related Problems:** Many issues can be resolved by consulting the documentation or community forums for your specific router operating system (e.g., pfSense, OpenSense, RouterOS).
- **System Instability:** Ensure the device has adequate ventilation. Check for any recent software changes or updates that might be causing conflicts.

9. SPECIFICATIONS

Feature	Detail
Model	Hunsn RS07
CPU	Intel Celeron 2950M (2M Cache, 2.00 GHz)
AES-NI Support	Yes
RAM	8GB DDR3L (2 x SODIMM slots, Max 16GB)
Storage	1x mSATA, 1x M.2 2280 NGFF SATA SSD, 1x 2.5" SATA SSD/HDD
LAN Ports	8x Intel I226-V 2.5 Gigabit Ethernet
SFP+ Ports	2x SFP+ 10 Gigabit (Intel 82599ES)
I/O Interfaces	Console, 2x USB 3.0, VGA, Power Switch
Expansion	1x Mini PCIE (for WiFi/3G/4G, shared with mSATA), SIM slot
Chassis	1U 19-inch Rackmount
Cooling System	Silent Turbo Fan
Power Supply	100W (100V-240V, 50/60Hz)
Dimensions	450 x 270 x 45 mm
Weight	5.5 kg
OS Compatibility	FreeBSD-based, Linux-based, Windows OS (e.g., pfSense, OpenSense, RouterOS)

10. WARRANTY AND SUPPORT

10.1. Warranty Information

The Hunsn RS07 comes with a warranty that covers both labor and parts. Please refer to the included warranty card for specific terms, conditions, and duration of coverage.

10.2. Technical Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Hunsn customer support

through the contact information provided on the warranty card or the official Hunsn website. When contacting support, please have your product model (RS07) and serial number ready.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question