

Asustor AS1104T

ASUSTOR Drivestor 4 AS1104T User Manual

Model: AS1104T

1. INTRODUCTION

This manual provides detailed instructions for setting up, operating, and maintaining your ASUSTOR Drivestor 4 AS1104T Network Attached Storage (NAS) device. The AS1104T is designed to provide a reliable and efficient personal cloud storage solution, featuring a 1.4GHz Quad-Core CPU, 1GB DDR4 RAM, and a 2.5 Gigabit Ethernet port for enhanced data transfer speeds.

Please read this manual thoroughly before using your device to ensure proper installation and optimal performance.

2. PACKAGE CONTENTS

Verify that all items listed below are present in your product package. If any items are missing or damaged, please contact your retailer or ASUSTOR support.

- ASUSTOR Drivestor 4 AS1104T NAS Unit
- AC Power Adapter
- AC Power Cord
- RJ-45 LAN Cable (Cat 5e or higher recommended for 2.5GbE)
- Flat Head Screws (for 3.5" HDDs)
- Quick Installation Guide

3. PRODUCT OVERVIEW

3.1 Front Panel



Image: Front view of the ASUSTOR Drivestor 4 AS1104T NAS, showing the power button, LED indicators, and front USB port.

- **Power Button:** Press to power on or off the NAS.
- **LED Indicators:**
 - **Power LED:** Indicates power status (Green: On, Blinking Green: Booting/Shutting down, Off: Off).
 - **Status LED:** Indicates system status (Green: Normal, Blinking Green: Initializing/Updating, Red: Error).
 - **Network LED:** Indicates network activity (Green: Connected, Blinking Green: Data transfer).
 - **Disk LEDs (1-4):** Indicate hard drive status (Green: Disk present and healthy, Blinking Green: Disk activity, Red: Disk error).
- **USB 3.2 Gen 1 Port:** For connecting external USB devices such as flash drives or external hard drives.

3.2 Rear Panel



Image: Rear view of the ASUSTOR Drivestor 4 AS1104T NAS, showing the fan, USB port, 2.5GbE LAN port, power input, and reset button.

- **System Fan:** Dissipates heat from the NAS.
- **USB 3.2 Gen 1 Port:** Additional port for connecting external USB devices.
- **2.5 Gigabit Ethernet (2.5GbE) Port:** Connects the NAS to your network router or switch for high-speed data transfer.
- **Power Input:** Connects to the AC power adapter.
- **Reset Button:** Used for resetting network settings or restoring factory defaults (refer to troubleshooting for details).

4. SETUP

4.1 Hard Drive Installation

1. **Power Off:** Ensure the NAS is powered off and disconnected from the power outlet.
2. **Open Cover:** Carefully slide open the NAS cover to access the drive bays.
3. **Install Drives:** Insert 3.5-inch SATA hard drives into the drive bays. Ensure they are securely seated. Use the provided screws to fasten the drives if necessary. The AS1104T supports up to four drives.
4. **Close Cover:** Slide the cover back into place until it clicks securely.

4.2 Network and Power Connection

1. **Connect Network Cable:** Connect one end of the RJ-45 LAN cable to the 2.5GbE port on the rear of the NAS and the other end to your router or network switch.
2. **Connect Power:** Connect the AC power adapter to the power input port on the NAS, then plug the power cord into a power outlet.
3. **Power On:** Press the power button on the front panel to turn on the NAS.

4.3 Initializing ASUSTOR Data Master (ADM)

The ASUSTOR Data Master (ADM) operating system needs to be initialized.

1. **Download ASUSTOR Control Center:** On a computer connected to the same network, download and install the ASUSTOR Control Center utility from the official ASUSTOR website (www.asustor.com/service/downloads).
2. **Discover NAS:** Launch ASUSTOR Control Center. It will automatically scan your network and display your ASUSTOR NAS.
3. **Initialize:** Select your NAS from the list and click "Initialize" or "Install ADM". Follow the on-screen instructions to complete the ADM installation, create an administrator account, and configure storage volumes (RAID setup).
4. **Access ADM:** Once initialization is complete, you can access the ADM web interface by clicking "Connect" in the Control Center or by entering the NAS's IP address in your web browser.

5. OPERATING THE NAS

5.1 Basic File Management

After ADM is installed, you can begin managing your files.

- **File Explorer:** Use the built-in File Explorer application in ADM to browse, upload, download, and manage files and folders on your NAS.
- **Network Shares:** Access your NAS shares directly from your computer's operating system (Windows File Explorer, macOS Finder) using SMB/CIFS or AFP protocols.

5.2 User and Access Management

Create user accounts and manage their access permissions to folders and applications.

- Navigate to **Access Control > Local Users** in ADM to create new users and assign passwords.
- Go to **Access Control > Shared Folders** to set specific permissions for each user or group on shared folders.

5.3 App Central

Extend the functionality of your NAS by installing applications from App Central.

- Open the **App Central** application from the ADM desktop.
- Browse categories or search for specific applications (e.g., media servers, backup tools, surveillance software).

- Click "Install" to add the application to your NAS.

5.4 Media Transcoding



Image: A graphical representation of the media transcoding feature within the ASUSTOR ADM interface, showing a "Media Mode" toggle.

The AS1104T supports hardware decoding for 10-bit 4K H.265 media, enabling smooth video playback and on-the-fly transcoding for various devices.

- Ensure "Media Mode" is enabled in ADM settings for optimized multimedia streaming and transcoding performance.
- Install compatible media server applications from App Central (e.g., Plex Media Server, Emby) to leverage transcoding capabilities.

6. MAINTENANCE

6.1 Firmware Updates

Regularly update your ADM firmware to ensure optimal performance, security, and access to new features.

- Go to **Settings > ADM Update** in the ADM interface.
- Check for available updates and follow the instructions to install them. It is recommended to back up important data before performing major firmware updates.

6.2 Disk Health and RAID Management

Monitor the health of your hard drives and manage your storage volumes.

- Access **Storage Manager** in ADM to view disk information (S.M.A.R.T. data), check volume status, and manage RAID configurations.
- Perform regular data scrubbing for RAID volumes to ensure data integrity.

6.3 Backup and Restore

Implement a robust backup strategy to protect your data.

- Utilize the **Backup & Restore** application in ADM to configure backup jobs to external USB drives, remote NAS devices, or cloud storage services.
- Regularly test your backup and restore procedures.

7. TROUBLESHOOTING

7.1 Common Issues and Solutions

Issue	Possible Cause	Solution
NAS not powering on	Power cable loose, power adapter faulty, power outlet issue.	Check all power connections. Try a different power outlet.
Cannot connect to NAS via network	Network cable disconnected, incorrect IP address, firewall blocking.	Verify LAN cable connection. Use ASUSTOR Control Center to find NAS. Check router settings and firewall.
Disk LED is red	Hard drive failure, bad sector, disk not properly seated.	Check disk seating. Run S.M.A.R.T. test in Storage Manager. Replace faulty drive if necessary.
Slow performance	Network congestion, high CPU/RAM usage, disk fragmentation.	Check network traffic. Monitor resource usage in ADM. Ensure 2.5GbE connection is active.

7.2 Resetting the NAS

The reset button on the rear panel can be used for different reset functions:

- **Short Press (3 seconds):** Resets network settings (IP address, DNS, password). Data remains intact.
- **Long Press (10 seconds):** Resets ADM to factory defaults, including system settings and user accounts. **All data on the hard drives will be erased.** Use with extreme caution.

8. SPECIFICATIONS

Key technical specifications for the ASUSTOR Drivestor 4 AS1104T:

Feature	Detail
CPU	Realtek RTD1296 Quad-Core 1.4 GHz
Memory	1 GB DDR4
Ethernet Port	Single 2.5 Gigabit Ethernet (2.5GbE)
Drive Bays	4 x 3.5" SATA HDD/SSD
USB Ports	2 x USB 3.2 Gen 1 (1 front, 1 rear)
Product Dimensions	6.5 x 6.46 x 8.58 inches (16.5 x 16.4 x 21.8 cm)
Item Weight	4.4 pounds (2 kg)
Power Consumption	(Typical values, refer to ASUSTOR website for specifics)
Operating Temperature	0°C to 40°C (32°F to 104°F)

Note: Specifications are subject to change without notice. For the most up-to-date information, please visit the official ASUSTOR website.

9. WARRANTY AND SUPPORT

9.1 Product Warranty

ASUSTOR products typically come with a limited warranty. The duration and terms of the warranty may vary by region and retailer. Please refer to the warranty card included with your product or visit the official ASUSTOR website for detailed warranty information.

9.2 Technical Support

For technical assistance, troubleshooting, or general inquiries, please utilize the following resources:

- **ASUSTOR Support Website:** Visit www.asustor.com/service/support for FAQs, knowledge base articles, and online support tickets.
- **Downloads:** Find the latest firmware, utilities, and documentation at www.asustor.com/service/downloads.
- **Community Forums:** Engage with other ASUSTOR users and experts on the official forums for peer support.

When contacting support, please have your product model (AS1104T) and serial number ready.

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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

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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