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Asustor AS3304T v2

Asustor Drivestor 4 Pro Gen2 AS3304T v2 User Manual

Model: AS3304T v2 | Brand: Asustor

1. Introduction

This manual provides detailed instructions for setting up, operating, and maintaining your Asustor Drivestor 4 Pro Gen2 AS3304T v2 Network Attached Storage (NAS) device. Please read this guide thoroughly before using the product to ensure proper functionality and data security.
The Asustor Drivestor 4 Pro Gen2 AS3304T v2 is a 4-bay NAS designed for home and small office environments, offering robust data storage, multimedia transcoding, and network connectivity features.

2. Product Features

- Equipped with Realtek RTD1619B 1.7GHz quad-core processor for efficient performance.
- Superfast 2.5-Gigabit Ethernet port for high-speed data transfers.
- 2 GB DDR4 RAM for smooth multitasking.
- Upgraded powerful internal display for smooth transcoding of 4K videos.
- Supports Wake on LAN and Wake on WAN for remote access and power management.
- Features Btrfs/iSCSI Snapshots for advanced data protection and recovery.
- Tool-free installation for easy hard drive setup.



Figure 1: Asustor Drivestor 4 Pro Gen2 AS3304T v2 with key features highlighted.

3. Package Contents

Verify that all items listed below are included in your package:

- Asustor AS3304T v2 Unit x1
- Quick Installation Guide x1
- AC Power Cord x1
- AC Power Adapter x1
- RJ-45 LAN Cable (Cat 5e) x1
- Flat Head Screws (for 2.5" HDDs) x16



Figure 2: Package contents for the AS3304T v2.

4. Hardware Installation

4.1 Installing Hard Drives

The AS3304T v2 supports tool-free installation for 3.5-inch hard drives. For 2.5-inch drives, use the provided screws.

1. Open the front cover of the NAS to access the drive bays.
2. Pull out a drive tray.
3. For 3.5-inch drives, simply insert the drive into the tray until it clicks into place. For 2.5-inch drives, secure the drive to the tray using the provided screws.
4. Slide the drive tray back into the bay until it locks.
5. Repeat for all desired drives.



Figure 3: Tool-free hard drive installation process.

4.2 Connecting the NAS

1. Connect the NAS to your network router or switch using the provided RJ-45 LAN cable.
2. Connect the AC power adapter to the NAS and then plug the power cord into an electrical outlet.
3. Press the power button on the front of the NAS. The system status LED will illuminate.

5. Setup

After connecting the hardware, you need to initialize and configure your NAS using the Asustor Data Master (ADM) operating system.

1. Ensure your computer is connected to the same local network as the NAS.
2. Open a web browser on your computer and navigate to the Asustor Control Center utility or use the web-based setup by entering the NAS's IP address.
3. Follow the on-screen instructions to initialize the NAS, create a storage volume, and set up user accounts.
4. It is recommended to update ADM to the latest version during the setup process for optimal performance and security.



Figure 4: NAS setup process overview.

6. Operating System (ADM)

The Asustor Drivestor 4 Pro Gen2 AS3304T v2 runs on Asustor Data Master (ADM), a user-friendly and feature-rich operating system. ADM provides a desktop-like interface accessible via web browser, allowing you to manage all aspects of your NAS.

6.1 Key ADM Features

- **File Explorer:** Browse, upload, download, and manage files and folders on your NAS.
- **App Central:** Install various applications to extend NAS functionality, including multimedia servers, surveillance tools, and backup solutions.
- **Storage Manager:** Configure RAID levels, manage storage volumes, and monitor disk health.
- **Access Control:** Set up user accounts, groups, and permissions to control access to shared folders.
- **Backup & Restore:** Utilize built-in tools for data backup to external devices, cloud services, or other NAS devices.

7. Media Management

The AS3304T v2 is optimized for multimedia tasks, including 4K video transcoding and easy photo management.

7.1 Easy Photo Management

Organize, view, and share your photos with dedicated photo management applications available through App Central. Access your photo library from various devices.



Figure 5: Seamless photo management across multiple devices.

7.2 Home Multimedia Center

Transform your NAS into a powerful home multimedia center. Install applications like Plex, Emby, or LooksGood to stream your media collection to smart TVs, mobile devices, and computers.



Figure 6: The NAS functioning as a home multimedia center.

8. Data Protection & Backup

The AS3304T v2 offers multiple features to protect your data and ensure business continuity.

8.1 Btrfs/iSCSI Snapshots

Leverage Btrfs snapshots to create point-in-time copies of your data, allowing for quick recovery from accidental deletions or ransomware attacks. iSCSI snapshots provide similar protection for iSCSI LUNs.



Figure 7: Btrfs/iSCSI Snapshots for data recovery.

8.2 MyArchive

MyArchive allows you to use hard drives as removable storage archives. Simply plug in a MyArchive drive to access its contents, and then remove it for secure offline storage or transport.



Figure 8: MyArchive for flexible and secure data archiving.

9. Network Connectivity

The AS3304T v2 features a 2.5-Gigabit Ethernet port for high-speed network access, ensuring fast file transfers and smooth streaming.

9.1 Cross-Platform Multi-User Access

Access your NAS data from Windows, macOS, Linux, Android, and iOS devices. ADM provides seamless integration with various operating systems and mobile apps for convenient access.



Figure 9: Accessing NAS data from various operating systems and devices.

10. Troubleshooting

This section provides solutions to common issues you might encounter with your Asustor NAS.

10.1 NAS Not Powering On

- Check if the power adapter and power cord are securely connected to the NAS and the electrical outlet.
- Ensure the electrical outlet is functional.
- Try a different power outlet or power cord if available.

10.2 Cannot Access NAS on Network

- Verify that the LAN cable is securely connected to both the NAS and your router/switch.

- Ensure your computer is on the same local network as the NAS.
- Restart your router/switch and the NAS.
- Use the Asustor Control Center utility to locate the NAS on your network.

10.3 Data Transfer Speeds are Slow

- Ensure you are using a 2.5-Gigabit Ethernet compatible switch and network cables (Cat 5e or higher).
- Check for network congestion or other devices consuming significant bandwidth.
- Verify the health of your hard drives using ADM's Storage Manager.

11. Specifications

Feature	Detail
Brand	Asustor
Model Number	AS3304T v2
Processor	Realtek RTD1619B 1.7GHz Quad-Core
RAM	2 GB DDR4
Drive Bays	4
Network Interface	2.5GbE Port x1
USB Ports	USB 3.2 Gen 1 x3
Dimensions (LxWxH)	9.06 x 6.69 x 6.69 inches
Item Weight	4.84 pounds (2.2 Kilograms)
First Available	September 13, 2023

12. Warranty and Support

Asustor provides a limited warranty for its products. Please refer to the warranty card included in your package or visit the official Asustor website for detailed warranty terms and conditions.
For technical support, product updates, and additional resources, please visit the Asustor support portal online. You can also find FAQs and community forums for assistance.

▶ **Watch video online**
Post-Quantum Cryptography (PQC) Ready

Video 1: Learn about Post-Quantum Cryptography (PQC) readiness for enhanced security on your Asustor NAS.

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