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› ASUSTOR AS5202T 2-Bay NAS User Manual

Asustor AS5202T

ASUSTOR AS5202T 2-Bay NAS User Manual

Model: AS5202T

1. PRODUCT OVERVIEW

The ASUSTOR AS5202T is a high-performance 2-bay Network Attached Storage (NAS) device designed for power users and enthusiasts. It features a dual-core processor, dual 2.5 Gigabit Ethernet ports, and supports 4K multimedia playback, making it suitable for data storage, backup, and home entertainment.



Figure 1: ASUSTOR AS5202T Nimbustor 2 NAS

Key Features:

- **Processor:** Intel Celeron dual-core 2.7GHz CPU.
- **Memory:** 2GB DDR4 RAM, expandable up to 8GB.
- **Network:** Two 2.5 Gigabit Ethernet ports, supporting up to 5 Gbps with Link Aggregation.
- **Storage:** Compatible with 2.5" or 3.5" SATA SSD/HDD drives, up to 36TB (18TB x 2).
- **Multimedia:** HDMI 2.0a with 10-bit 4K hardware decoding, HEVC decoding, and VP9 10-bit Profile2 decoding for 4K HDR experience.
- **Warranty:** 3-year manufacturer warranty.

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Video 1: Overview of Asustor Nimbustor NAS AS5202T AS5304T features and capabilities.

2. PACKAGE CONTENTS

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

- ASUSTOR AS5202T NAS Unit
- Quick Start Guide
- 2x RJ-45 Cat 5e Ethernet Cables
- 1x AC Adapter & Power Cable
- 8x Phillips Screws for 2.5" drives

2 Bay Hot Swappable



Figure 2: AS5202T Package Contents

3. HARDWARE COMPONENTS AND PORTS

Familiarize yourself with the physical components and connection ports of your AS5202T NAS.

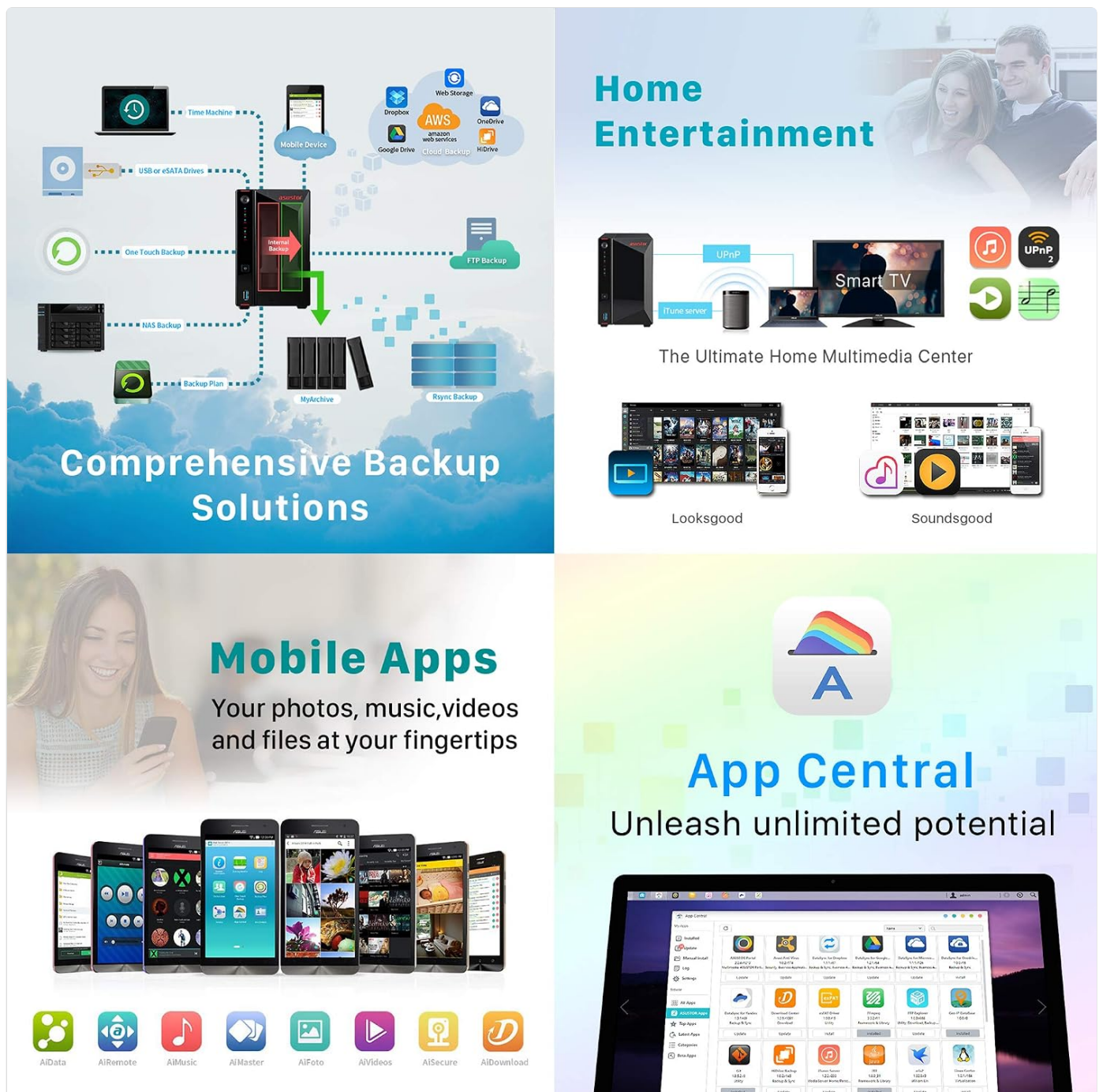


Figure 3: AS5202T Front and Rear Panel Layout

Front Panel:

- **Power Button (A):** Press to power on/off the NAS.
- **Power LED (B):** Indicates power status.
- **System Status LED (C):** Indicates system health.
- **Network LED (D):** Indicates network activity.
- **USB LED (E):** Indicates USB device activity.
- **Hard Drive LEDs (F):** Indicates hard drive activity and status.
- **One Touch Backup Button (G):** For quick backup operations.
- **USB 3.2 Gen1 Port (H):** For connecting USB devices.

Rear Panel:

- **HDMI Port (I):** For direct display output.

- **USB 3.2 Gen1 Ports (J):** Additional USB ports.
- **2.5 Gigabit RJ45 Ports (K):** For network connection.
- **Reset Button (L):** For system reset (use with caution).
- **DC Input (M):** Power adapter connection.
- **System Fan (N):** For cooling the system.
- **K-Lock:** Kensington security slot.

4. SETUP AND INSTALLATION

Follow these steps to set up your ASUSTOR AS5202T NAS.

4.1 Installing Hard Drives

1. Unlock the drive tray by pressing the release lever.
2. Slide out the drive tray.
3. Mount your 3.5" or 2.5" SATA HDD/SSD onto the tray using the provided screws.
4. Slide the tray back into the NAS until it clicks into place.



Figure 4: Drive Installation and Initial Setup Steps

4.2 Connecting the NAS

1. Connect the AC adapter to the DC input port (M) on the rear panel and plug it into a power outlet.
2. Connect one or both 2.5 Gigabit RJ45 ports (K) to your network router or switch using the provided Ethernet cables.
3. Press the Power Button (A) on the front panel to turn on the NAS.

4.3 Initializing the NAS

After connecting the hardware, you need to initialize the NAS:

- **For Windows/macOS:** Download and install the ASUSTOR Control Center from the official ASUSTOR website. This utility will help you discover and initialize your NAS on the network.
- **For Android/iOS:** Download the AiMaster app from your device's app store. This app can also be used for initial setup and management.

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Video 2: Quickstart Guide for ASUSTOR NAS models, including initial setup steps.

5. OPERATING THE NAS

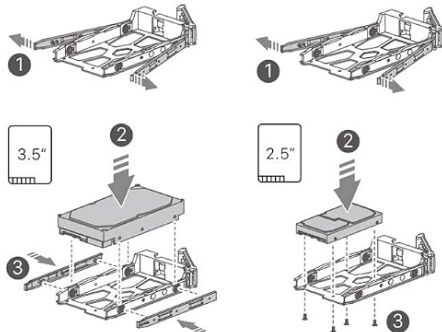
Once initialized, your AS5202T NAS is ready for operation. The ASUSTOR Data Master (ADM) operating system provides a user-friendly interface for managing your data and applications.

5.1 Accessing Your NAS

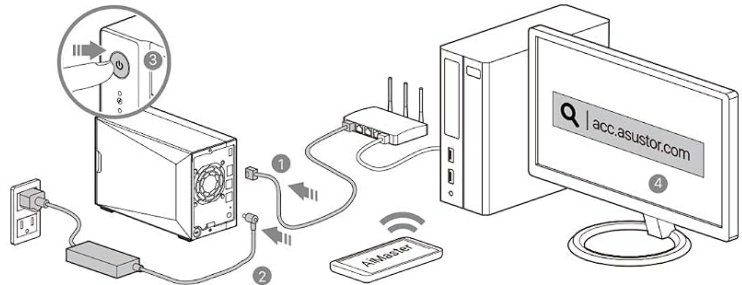
- **Web Interface:** Access ADM via a web browser by entering the NAS's IP address or hostname.
- **Mobile Apps:** Use the AiMaster app for mobile management, AiFoto for photo browsing, AiVideos for video streaming, and other dedicated apps for various functions.

Install and initialize easily

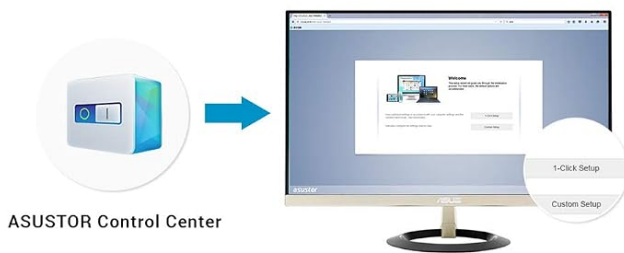
Step1 Unlock tray, place drive, relock tray.



Step2 Connect power and network cables



Step3 Download ASUSTOR Control Center for Windows or AiMaster for Android/iOS to easily initialize your NAS.



Windows and macOS



Android and iOS

 **All Done!**

Figure 5: ASUSTOR Mobile Apps for Remote Access

5.2 Data Management and Backup

The AS5202T offers comprehensive data management and backup solutions:

- **RAID Configuration:** Supports various RAID levels (e.g., RAID 0, 1, JBOD, Single) for data redundancy and performance.
- **Backup & Restore:** Utilize built-in backup features for local, remote, and cloud backups (e.g., Amazon S3, Dropbox, Google Drive).
- **Snapshot Technology:** Btrfs file system support allows for efficient data snapshots to protect against accidental deletion or ransomware.

5.3 Multimedia and Entertainment

Leverage the AS5202T's multimedia capabilities:

- **4K HDMI Output:** Connect directly to a TV or monitor via HDMI 2.0a for 4K HDR video playback.

- **Transcoding:** Hardware transcoding support ensures smooth playback of various video formats on different devices.
- **Streaming:** Stream media content to DLNA/UPnP compatible devices, smart TVs, and mobile devices.



Figure 6: 4K Multimedia Support

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your AS5202T NAS.

- **Firmware Updates:** Regularly check for and install the latest ADM firmware updates to ensure security and access to new features.
- **Drive Health Check:** Monitor the health status of your hard drives through the Storage Manager in ADM. Replace failing drives promptly.
- **System Cleaning:** Keep the NAS unit clean and free from dust. Ensure proper ventilation by regularly cleaning the fan and vents.
- **Backup Verification:** Periodically verify your backup data to ensure its integrity and recoverability.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your AS5202T NAS.

7.1 NAS Not Powering On

- Ensure the power cable is securely connected to both the NAS and the power outlet.
- Verify the power outlet is functional by testing it with another device.
- Check the power adapter for any visible damage.

7.2 Cannot Access NAS on Network

- Confirm that the Ethernet cables are properly connected to the NAS and your router/switch.
- Check the Network LEDs on the NAS; they should be active.
- Use ASUSTOR Control Center or AiMaster to scan for the NAS on your network.
- Ensure your computer's firewall is not blocking access to the NAS.

7.3 Hard Drive Issues

- If a drive LED indicates an error, check the Storage Manager in ADM for detailed information.
- Ensure drives are properly seated in their trays.
- If a drive is reported as failing, back up your data immediately and replace the drive.

For more advanced troubleshooting, refer to the official ASUSTOR support website or contact their technical support.

8. SPECIFICATIONS

Detailed technical specifications for the ASUSTOR AS5202T NAS.

Feature	Specification
Brand	Asustor
Model Number	AS5202T
CPU	Intel Celeron Dual-Core 2.7GHz
RAM	2GB DDR4 (Expandable to 8GB)
Drive Bays	2 (2.5" or 3.5" SATA SSD/HDD)
Max Capacity	36TB (18TB x 2)
Ethernet Ports	2 x 2.5 Gigabit RJ45
USB Ports	3 x USB 3.2 Gen1
Video Output	HDMI 2.0a
Dimensions (D x W x H)	9.06" x 4.49" x 6.69" (230mm x 114mm x 170mm)
Weight	1.6 kg
Material	Metal
GTIN / UPC	887372001220

9. WARRANTY AND SUPPORT

Your ASUSTOR AS5202T NAS comes with a **3-year manufacturer warranty**, covering defects in materials and workmanship under normal use.

9.1 Technical Support

For technical assistance, product registration, or to access the latest drivers and software, please visit the official ASUSTOR support website.

9.2 Documentation

Additional resources are available for download:

- [Installation Manual \(PDF\)](#)
- [User Guide \(PDF\)](#)

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.

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Anonymous

Email

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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

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