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Asustor FS6706T

Asustor Flashstor 6 FS6706T User Manual

Model: FS6706T

1. INTRODUCTION

The Asustor Flashstor 6 FS6706T is a high-performance 6-bay all-SSD Network Attached Storage (NAS) device designed for demanding data storage and multimedia applications. Featuring a powerful Quad-Core 10 nm Intel Celeron N5105 CPU and six M.2 NVMe slots, it offers exceptional speed and efficiency. With dual 2.5-Gigabit Ethernet ports, 4GB of fast DDR4-2933 RAM, dual USB 3.2 Gen 2x1 ports, HDMI 2.0b, and S/PDIF output, this NAS provides extensive connectivity and multimedia capabilities, including smooth 4K hardware transcoding. It also supports Wake on WAN and Wake on LAN for convenient remote access.



Figure 1.1: Asustor Flashstor 6 FS6706T Network Attached Storage device.

This image displays the Asustor Flashstor 6 FS6706T, a compact and stylish black NAS unit. The top surface is smooth, while the front features a textured design with indicator lights and a USB port. The overall appearance is modern and designed to blend into various environments.

2. SETUP

2.1 Unboxing and Components

Before beginning the setup process, ensure all components are present in the packaging. The standard package includes:

- FS6706T Unit x1

- Quick Installation Guide x1
- AC Power Cord x1
- AC Power Adapter x1
- Power Cord Tie x1
- RJ-45 LAN Cable (Cat 5e) x2



Figure 2.1: Included Components and Unit Dimensions.

This diagram illustrates the contents of the Asustor Flashstor 6 FS6706T package, including the main unit, quick installation guide, power accessories, and two Ethernet cables. It also provides a dimensional view of the NAS unit, showing its compact size.

2.2 Physical Installation

1. **Install M.2 NVMe SSDs:** The Flashstor 6 FS6706T is diskless. Carefully open the unit to access the six M.2 NVMe slots. Insert your chosen M.2 SSDs into the slots, ensuring they are properly seated and secured.
2. **Connect Power:** Connect the AC power adapter to the NAS unit and then plug the AC power cord into a power outlet.
3. **Connect Network:** Use the provided RJ-45 LAN cables to connect the NAS to your network router or switch. The unit features dual 2.5-Gigabit Ethernet ports for enhanced network performance.
4. **Connect Peripherals (Optional):** If desired, connect a display via the HDMI 2.0b port or audio devices via the S/PDIF output. USB devices can be connected to the dual USB 3.2 Gen 2x1 ports.

2.3 Initial Configuration

Once the hardware is connected, power on the NAS. You will need to locate its IP address on your network, typically through your router's administration interface. Access the NAS web interface using this IP address. The ASUSTOR ADM (ASUSTOR Data Master) operating system will guide you through the initial setup, including storage pool creation (e.g., RAID configuration) and user account setup. The setup process is designed to be intuitive and user-friendly.



Figure 2.2: Simple, Intuitive, and Easy to Use.

This image emphasizes the ease of use of the Asustor Flashstor 6, depicting a user interacting with a smartphone while the NAS unit is visible. The text 'Plug and Play' highlights its straightforward setup and operation.

3. OPERATING THE NAS

3.1 Basic Operation

To power on the NAS, press the power button located on the front panel. The system status LEDs will illuminate to indicate operation. To power off, you can either press and hold the power button or initiate a shutdown through the ADM web interface for a graceful shutdown.

3.2 Data Access and Management

The Asustor Flashstor 6 FS6706T supports cross-platform multi-user access, allowing users on various operating systems (Windows, macOS, Linux) and mobile devices (iOS, Android) to connect and manage files. Data can be accessed via network shares, FTP, or dedicated mobile applications.

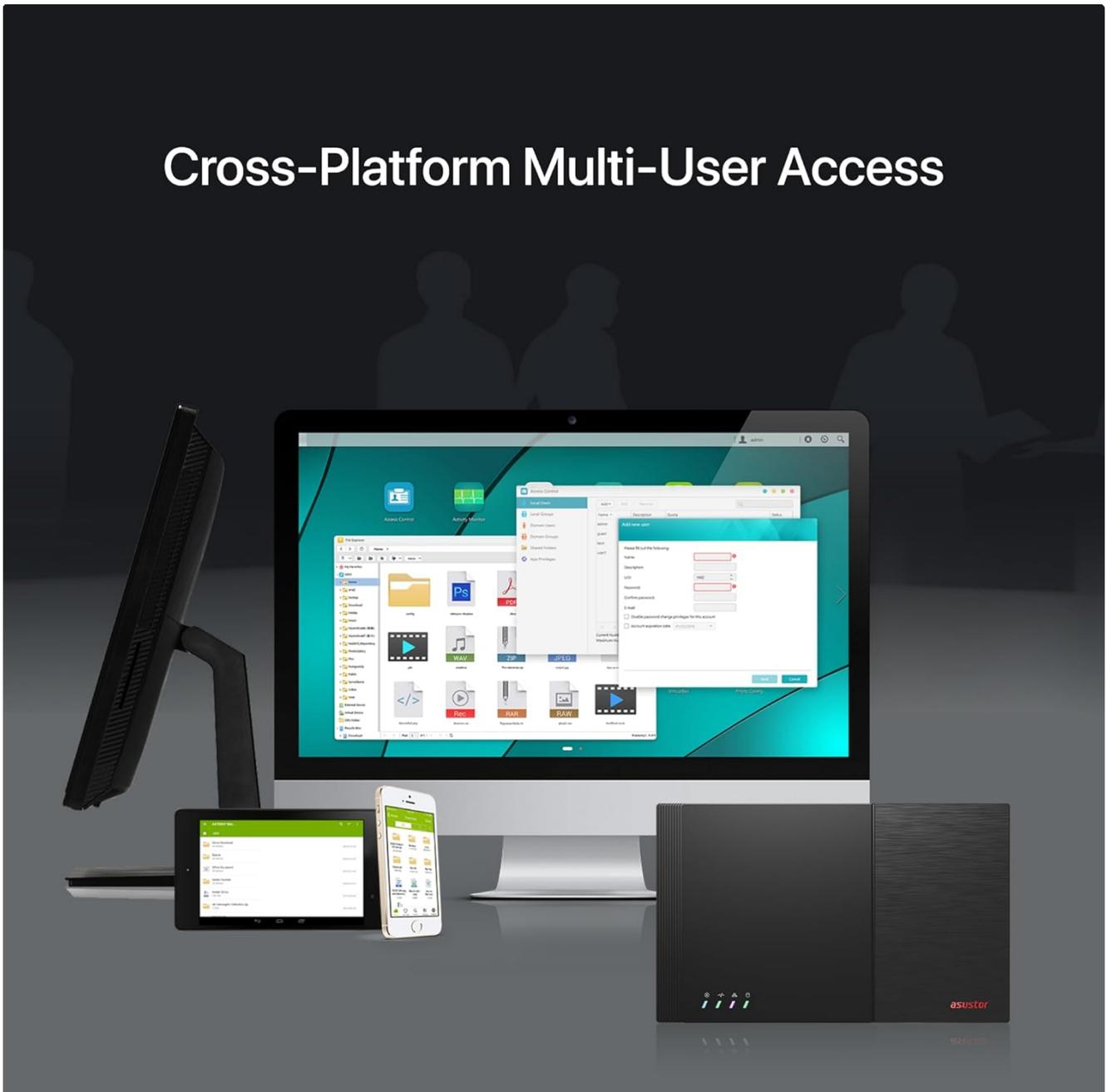


Figure 3.1: Cross-Platform Multi-User Access.

This image demonstrates the Asustor Flashstor 6's capability for cross-platform multi-user access, showing a desktop monitor, tablet, and smartphone all connected and displaying file management interfaces, with the NAS unit positioned in the foreground.

The six M.2 NVMe slots provide quiet and fast storage, enabling faster speeds for various tasks, efficient game storage, and quicker snapshot processing. This all-SSD design ensures minimal noise and high data transfer rates.



Figure 3.2: Quiet and Fast M.2 NVMe Storage.

This graphic emphasizes the 'Quiet and Fast' nature of the Asustor Flashstor 6, showcasing the benefits of its M.2 NVMe slots through icons representing faster speeds, optimized game storage, and rapid snapshot processing.

3.3 Multimedia and Connectivity

The NAS is equipped with HDMI 2.0b and S/PDIF output, allowing for direct connection to displays and audio systems for high-quality audio and video playback. Its smooth 4K hardware transcoding capability ensures seamless streaming of high-resolution content.

For video editing professionals, the combination of 2.5-Gigabit Ethernet and NVMe SSDs makes editing workflows seamless, providing the necessary bandwidth and speed for large file transfers and real-time processing.

Choosing a Video Storage Server for Video Editing

2.5-Gigabit Ethernet and NVMe SSDs Make Editing Seamless

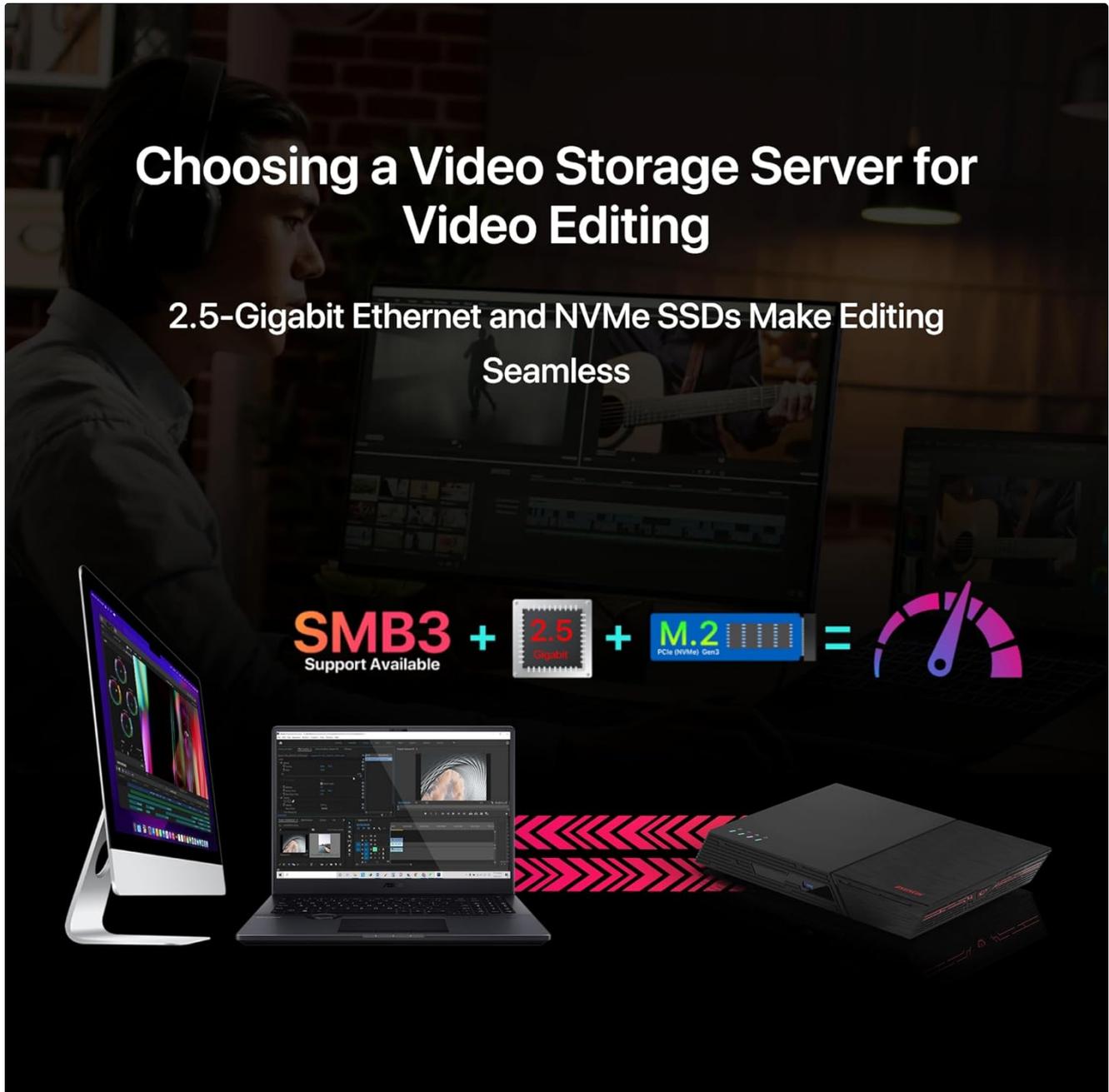


Figure 3.3: Optimized for Video Editing.

This image highlights the Asustor Flashstor 6's suitability as a video storage server for editing, showing a user engaged in video editing on a computer. Supporting graphics illustrate key features like SMB3 support, 2.5-Gigabit Ethernet, and M.2 NVMe SSDs, which contribute to a seamless editing experience.

3.4 Network Features

The dual 2.5-Gigabit Ethernet ports provide high-speed network connectivity, crucial for fast data transfers and efficient multi-user environments. The NAS also supports Wake on WAN and Wake on LAN, allowing you to remotely power on the device for access, even when it's turned off.

4. MAINTENANCE

4.1 Software Updates

Regularly check for and install updates for the ASUSTOR ADM operating system and installed applications. These updates often include security patches, bug fixes, and new features, ensuring optimal performance and protection for your data.

4.2 Hardware Maintenance

Keep the NAS unit clean and free from dust. Ensure proper ventilation around the device to prevent overheating, which can impact performance and longevity. While the Flashstor 6 is designed for quiet operation due to its all-SSD nature, maintaining good airflow is still important.

4.3 Drive Management

Monitor the health of your M.2 NVMe SSDs through the ADM interface. If you have configured a RAID array, ensure its status is healthy. In case of a drive failure in a redundant RAID configuration (e.g., RAID 5), replace the faulty drive promptly to maintain data protection.

5. TROUBLESHOOTING

If you encounter issues with your Asustor Flashstor 6 FS6706T, consider the following common troubleshooting steps:

- **No Power:** Ensure the power adapter and cord are securely connected to both the NAS and the power outlet. Try a different outlet if necessary.
- **No Network Connectivity:** Verify that the Ethernet cables are properly connected to the NAS and your router/switch. Check network settings in ADM and ensure your router is assigning an IP address.
- **Cannot Access Web Interface:** Confirm the NAS IP address is correct. Try clearing your browser's cache or using a different browser. Ensure no firewall rules are blocking access.
- **Drive Not Detected/RAID Degraded:** Check that M.2 SSDs are properly seated. If a drive is faulty, replace it. Consult the ADM storage manager for detailed status.
- **Performance Issues:** Check network utilization and CPU/RAM usage in ADM. Ensure sufficient free space on your storage volumes.

For more detailed troubleshooting and advanced solutions, please refer to the official [Installation Manual \(PDF\)](#) or visit the Asustor support website.

6. SPECIFICATIONS

Feature	Specification
Brand	Asustor
Model Number	FS6706T
CPU	Quad-Core 10 nm Intel Celeron N5105
RAM	4 GB DDR4-2933 (Expandable)
Storage Bays	6 x M.2 NVMe slots (Diskless)
Network Ports	2 x 2.5-Gigabit Ethernet
USB Ports	2 x USB 3.2 Gen 2x1
Video Output	HDMI 2.0b
Audio Output	S/PDIF
Dimensions (LxWxH)	7.6 x 12.09 x 1.89 inches

Feature	Specification
Item Weight	4.4 pounds
Material	Metal
Special Features	4K Hardware Transcoding, Wake on WAN/LAN

7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Asustor website or contact their customer service. Keep your purchase receipt as proof of purchase for warranty claims. Additional resources, including the full installation manual, can be found on the product's support page.
