

youyeetoo Nest Disk NAS

youyeetoo Nest Disk NAS Mini PC User Manual

Model: Nest Disk NAS
Brand: youyeetoo

1. INTRODUCTION

The youyeetoo Nest Disk NAS Mini PC is a versatile and compact computing solution designed for network-attached storage (NAS), home theater PC (HTPC), and general office tasks. It features an Intel N150 processor, 12GB LPDDR5 RAM, and supports up to 16TB of NVMe SSD storage. Pre-installed with OpenMediaVault, it offers a plug-and-play private cloud experience with extensive operating system compatibility and robust connectivity options.

2. WHAT'S IN THE BOX

Please verify that all items listed below are included in your package:

- Nest Disk NAS Mini PC (x1)
- HDMI Cable (x2)
- 19V 3.42A Type-C Power Supply (x1)



Image: The package contents, including the Nest Disk NAS Mini PC, two HDMI cables, and a Type-C power supply.

3. PRODUCT OVERVIEW

The Nest Disk NAS Mini PC is designed for efficiency and versatility. Its compact form factor houses powerful components suitable for various applications, from data storage to multimedia playback.

Flagship Network

Dual 2.5G Ethernet Ports + WiFi 6

Dual 2.5G Ethernet Ports: Break through the traditional gigabit bottleneck, single port maximum transmission speed up to 2500Mbps. NAS scenario: Link aggregation (Bonding), allowing multiple devices to read and write data simultaneously, doubling the speed; Soft router scenario: As the main router/ Secondary Router, it can carry high bandwidth requirements (such as 2000M fiber optic, internal network large file transmission); Industrial/office networking: Stable high-speed wired connection, reducing latency and packet loss. WiFi 6 wireless: Supports 802.11ax protocol, theoretical peak rate up to 2.4Gbps, stronger wall ability, and more devices can connect wirelessly, making mobile phones, tablets, and other devices more fluid.



Image: Key features of the Nest Disk NAS Mini PC, highlighting 12GB LPDDR5 RAM, stacked heat dissipation, security protection, and PC Sync capabilities.

3.1. Key Features

- **Processor:** Intel N150 Quad-core CPU (1.6GHz, up to 3.6GHz)
- **Memory:** 12GB LPDDR5 RAM (4800 MHz), expandable in some versions
- **Storage:** Supports up to four NVMe SSDs, with a maximum capacity of 16TB
- **Network:** Dual 2.5GbE Ethernet ports, Wi-Fi 6 (802.11ax), Bluetooth 5.2
- **Video Output:** Dual HDMI and one Type-C port for triple 4K 60Hz display output
- **Operating System:** Pre-installed with OpenMediaVault, compatible with Windows 11, Ubuntu, and Linux
- **Form Factor:** Ultra-compact design (146mm × 97.5mm × 32mm)

3.2. Port Description

Familiarize yourself with the available ports on your Nest Disk NAS Mini PC:

Five Major Problems

One Solution



Nest Disk NAS(fnOS)

- Automatic photo backup, seamless synchronization, freeing up phone space
- Data self-management, exclusive private space, Dual verification to eliminate privacy risks
- AI Intelligent Categorization and Organization, Semantic search (by tag/scene), one-click location
- Intel N150 Quad-core Chip
Smooth multitasking, even large data streams won't lag
- 16TB Massive Centralized Storage
Access and retrieve data anytime, anywhere

Common Pain Points

- Phone storage is full, can't save photos/videos
- Fear of privacy leaks, network insecurity
- Too many photos, hard to manage, searching through images is like "finding a needle in a haystack"
- Traditional NAS chips are outdated, multitasking is sluggish
- Storage is scattered, USB/hard drives are easily lost

Image: A detailed diagram illustrating the location and function of each port on the Nest Disk NAS Mini PC, including power, audio, network, HDMI, USB, and Type-C ports.

1. **Power Button:** To power on/off the device.
2. **Type-C Power Port:** For connecting the power adapter.
3. **Audio Jack:** For connecting headphones or speakers.
4. **Network Port (Dual 2.5GbE):** For wired network connection.
5. **HDMI Port (x2):** For connecting to displays.
6. **Type-C Full Function Port:** Supports video output, data transfer, and power delivery.
7. **USB3.2 Ports:** For connecting peripherals and external storage.
8. **SSD Heat Sink:** Located internally, for thermal management of SSDs.

4. SETUP GUIDE

4.1. Initial Connection

1. **Connect to Display:** Use one or both HDMI cables to connect the Mini PC to your monitor(s) or TV. For triple display, use the Type-C full function port with a compatible display or adapter.
2. **Connect Peripherals:** Plug in your USB keyboard and mouse into the available USB ports.
3. **Network Connection:** For wired access, connect an Ethernet cable to one of the 2.5GbE network ports. For wireless, ensure Wi-Fi is enabled during initial setup.
4. **Power On:** Connect the Type-C power adapter to the Mini PC and then to a power outlet. Press the power button to turn on the device.

4.2. First Boot and Operating System

The Nest Disk NAS Mini PC comes pre-installed with OpenMediaVault (OMV). Upon first boot, the system will guide you through the initial configuration steps for OMV. If you intend to install a different operating system (e.g., Windows 11, Ubuntu, or another Linux distribution), you will need to prepare a bootable USB drive with your desired OS installer.

- **OpenMediaVault:** Follow the on-screen instructions to set up your NAS. This typically involves setting up network interfaces, user accounts, and storage volumes.
- **Alternative OS Installation:** To install a different OS, access the BIOS/UEFI settings during boot (usually by pressing Del or F2) to change the boot order and boot from your prepared USB drive.

5. OPERATING INSTRUCTIONS

5.1. Using OpenMediaVault (OMV)

OpenMediaVault provides a web-based interface for managing your NAS. Access it by entering the Mini PC's IP address into a web browser on a device connected to the same network. Refer to the official OpenMediaVault documentation for detailed instructions on:

- Creating and managing shared folders
- Setting up user permissions
- Configuring network services (SMB/CIFS, FTP, SSH, etc.)
- Installing plugins (e.g., Docker for containerized applications)

5.2. Multi-Screen Display

The Mini PC supports up to three 4K 60Hz displays simultaneously via its dual HDMI ports and one Type-C port. This setup is ideal for multi-screen productivity, creative design, or an immersive home theater experience.



Image: The Nest Disk NAS Mini PC connected to three external monitors, demonstrating its triple 4K display capability for enhanced productivity or entertainment. To configure multiple displays, access your operating system's display settings. For Windows, right-click on the desktop and select 'Display settings'. For Linux, use your desktop environment's display configuration tool.

6. STORAGE AND EXPANSION

The Nest Disk NAS Mini PC features a four-bay NVMe storage architecture, allowing for significant storage expansion and high-speed data access.



Image: An internal diagram of the Nest Disk NAS Mini PC, illustrating the four NVMe/SATA bays that support up to 16TB of storage for personal cloud or office collaboration.

6.1. Installing NVMe SSDs

The device supports up to four NVMe SSDs. To install or replace SSDs:

1. **Power Off:** Ensure the Mini PC is powered off and disconnected from the power supply.
2. **Access Bays:** Carefully open the chassis to access the NVMe bays. Refer to the device's physical diagram for bay locations.
3. **Insert SSDs:** Insert the NVMe SSDs into the available slots, securing them with the provided screws or clips.
4. **Close Chassis:** Reassemble the chassis securely.
5. **Configure Storage:** After powering on, use OpenMediaVault or your chosen OS's disk management tools to initialize, partition, and format the new SSDs.

6.2. Data Backup and RAID

OpenMediaVault supports various RAID levels (e.g., RAID 0, 1, 5, 6) to enhance data redundancy and performance. It also offers scheduled backup options to local or remote storage.

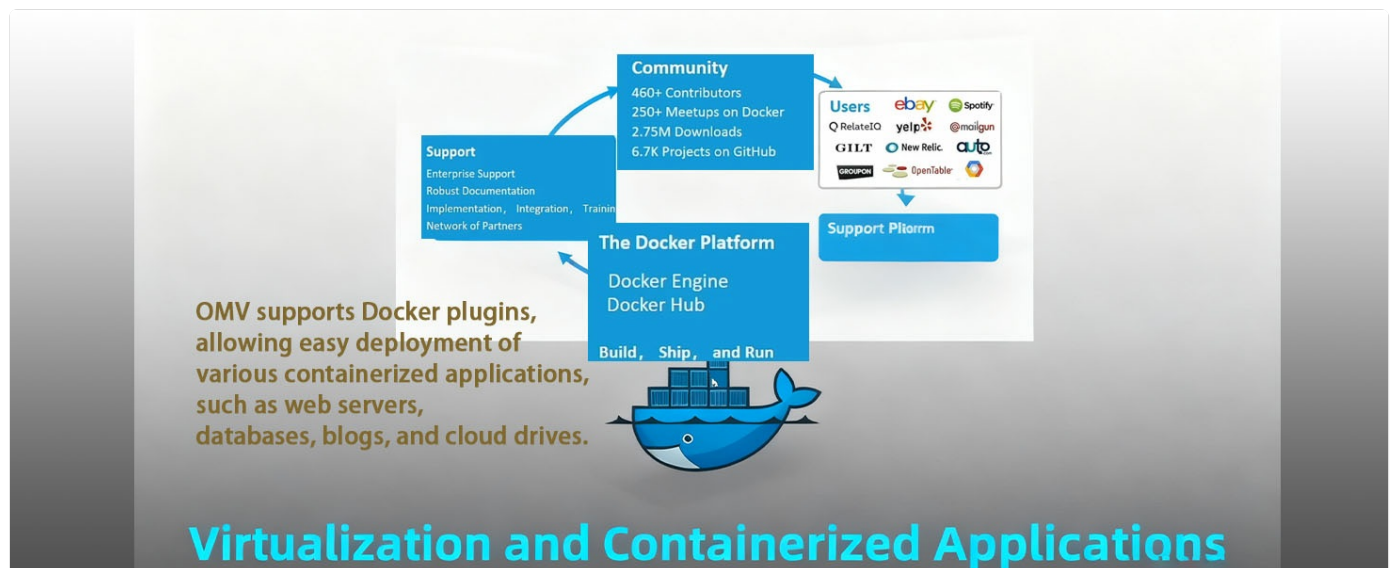


Image: An illustration of the data management capabilities, including scheduled backup, RAID support, private cloud drive functionality, and VPN access for secure remote connections.

7. NETWORK CONFIGURATION

The Nest Disk NAS Mini PC offers advanced networking capabilities for high-speed data transfer and flexible connectivity.

7.1. Dual 2.5GbE Ethernet

The two 2.5 Gigabit Ethernet ports provide high-bandwidth wired connectivity, supporting speeds up to 2500Mbps. These can be used for link aggregation (bonding) to double internal network transfer speeds or configured as a main/secondary router for high-bandwidth network management.

7.2. Wi-Fi 6 and Bluetooth 5.2

Integrated Wi-Fi 6 (802.11ax) provides fast and reliable wireless connectivity with improved performance in congested environments. Bluetooth 5.2 allows for seamless connection with wireless peripherals such as keyboards, mice, and audio devices.

8. OPERATING SYSTEMS AND SOFTWARE

The Mini PC is highly flexible regarding operating systems and software applications.

8.1. Pre-installed OpenMediaVault

The device ships with OpenMediaVault (OMV) pre-installed, providing a ready-to-use NAS solution. OMV is a Debian-based Linux distribution designed for network-attached storage. An installation toolkit is available for reinstallation or customization.

8.2. OS Compatibility

Beyond OMV, the Nest Disk NAS Mini PC supports a range of operating systems, including:

- Windows 11
- Ubuntu
- Other Linux distributions

8.3. Virtualization and Containerized Applications

OMV supports Docker plugins, enabling easy deployment of various containerized applications. This allows the Mini PC

to host web servers, databases, blogs, and private cloud services, expanding its functionality beyond basic file storage.

9. TROUBLESHOOTING

This section addresses common issues you might encounter with your Nest Disk NAS Mini PC.

9.1. No Power

- Ensure the Type-C power adapter is securely connected to both the Mini PC and a working power outlet.
- Verify the power outlet is functional by plugging in another device.
- Check the power button for any damage or obstruction.

9.2. No Display Output

- Confirm that HDMI or Type-C cables are securely connected to both the Mini PC and the monitor.
- Ensure the monitor is powered on and set to the correct input source.
- Test with a different cable or monitor if possible.

9.3. Network Connectivity Issues

- **Wired:** Check Ethernet cable connections. Verify router/switch status.
- **Wireless:** Ensure Wi-Fi is enabled in the OS settings. Check Wi-Fi network name and password. Restart your router.
- Verify network settings within OpenMediaVault or your installed OS.

9.4. Storage Not Detected

- Ensure NVMe SSDs are correctly seated in their bays and secured.
- Check disk management tools in your OS or OpenMediaVault to see if the drives are recognized but uninitialized.
- If a new SSD, it may need to be initialized, partitioned, and formatted.

10. SPECIFICATIONS

Feature	Detail
Model Name	Nest Disk NAS
Processor	Intel N150 Quad-core (1.6GHz up to 3.6GHz)
RAM	12GB LPDDR5 (4800 MHz), Max 16GB
Storage Interface	4x NVMe/SATA bays, up to 16TB SSD
Operating System	Linux (OpenMediaVault pre-installed), supports Windows 11, Ubuntu
Graphics	Integrated Intel HD Graphics, 4K UHD Support
Video Output	2x HDMI, 1x Type-C (Triple 4K 60Hz display)
Network	Dual 2.5GbE Ethernet, Wi-Fi 6 (802.11ax), Bluetooth 5.2
USB Ports	USB 2.0, USB 3.0, USB 3.2 Gen 2

Feature	Detail
Other Interfaces	Audio Jack, MicroSD Card Reader
Dimensions	146mm × 97.5mm × 32mm
Cooling Method	Fan
Power Supply	Type-C

11. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Mini PC.

- **Cleaning:** Regularly clean the exterior with a soft, dry cloth. Use compressed air to clear dust from vents and ports to maintain proper airflow and cooling.
- **Software Updates:** Keep your operating system and OpenMediaVault firmware updated to ensure security and access to the latest features.
- **Environmental Conditions:** Operate the Mini PC in a well-ventilated area, away from direct sunlight, excessive heat, humidity, and dust.
- **Data Integrity:** Regularly back up important data to external storage or another network location to prevent data loss.

12. WARRANTY AND SUPPORT

12.1. Warranty Information

The WayPonDEV Return Policy allows for returns of new computers that are "dead on arrival," arrive damaged, or are in unopened boxes for a refund within 30 days of purchase. WayPonDEV reserves the right to charge a customer fee equal to 15 percent of the product retail price if the customer misrepresents the condition of a "Dead on Arrival" return. For any returned computer damaged due to customer misuse, missing parts, or in an unsellable condition due to customer intervention, a higher restocking fee will be charged based on the product's condition. Returns of desktop or notebook computers will not be accepted more than 30 days after receipt of shipment. Products purchased from Marketplace Vendors are subject to each Vendor's return policy.

12.2. Technical Support

For additional information and support, please refer to the official wiki:

wiki.youyeetoo.com/en/NAS

For after-sales questions, please contact WayPonDEV directly through their store or by sending a message to wpd@youyeetoo.com.

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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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.

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