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› UGREEN NASync DXP480T Plus 4-Bay All-Flash SSD NAS User Manual

UGREEN DXP480T Plus

UGREEN NASync DXP480T Plus 4-Bay All-Flash SSD NAS User Manual

Model: DXP480T Plus | Brand: UGREEN

1. INTRODUCTION

Welcome to the UGREEN NASync DXP480T Plus User Manual. This document provides detailed instructions for setting up, operating, maintaining, and troubleshooting your new 4-Bay All-Flash SSD NAS. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

NAS all-flash per lettura/ scrittura ultraveloce

25X Più veloce dei SATA HDD



25X

I dischi di archiviazione sono venduti separatamente. I dati provengono dai test di UGREEN Lab. Le velocità di lettura/scrittura effettive possono variare tra vari dischi rigidi; fare sempre riferimento alle prestazioni effettive.

Figure 1.1: UGREEN NASync DXP480T Plus Front View

2. PRODUCT OVERVIEW

The UGREEN NASync DXP480T Plus is a high-performance Network Attached Storage (NAS) device designed for ultra-fast data access and robust storage solutions. It is equipped with advanced hardware and software features to meet the demands of professionals and home users alike.

2.1 Key Features

- **Powerful Processor:** Features an Intel Core i5 12th generation 10-Core, 12-thread processor for unparalleled processing performance.
- **High-Speed Network:** Includes a 10GbE network port for peak speeds of 1250 MB/s and integrated Wi-Fi 6 for flexible wireless connectivity.
- **All-Flash Storage:** Four M.2 NVMe SSD slots support up to 32TB of all-flash storage, offering incredibly fast read/write speeds. Supports RAID levels JBOD/Basic/RAID0/RAID1/RAID5/RAID6/RAID10.
- **Expandable Memory:** Comes with 8GB DDR5 RAM, expandable up to 64GB for demanding software and

multitasking.

- **Versatile Connectivity:** Equipped with HDMI 8K output and two Thunderbolt 4 ports for ultra-fast data transmission.
- **Unified Operating System:** The NAS app integrates Storage Manager, File, Photos, and other functions into a single, convenient interface (UGOS Pro).
- **Professional Data Security:** Offers robust local data storage, professional encryption, and multi-factor authentication to protect your data.

2.2 Components

Familiarize yourself with the main components and ports of your NAS device.



Figure 2.1: Rear Panel Connectivity (10GbE, HDMI, USB, Thunderbolt 4, Power)



Figure 2.2: Intel Core i5 12th Generation Processor



Figure 2.3: DDR5 Expandable Memory

3. SETUP GUIDE

3.1 Package Contents

Before proceeding, verify that all items are present in the package:

- UGREEN NASync DXP480T Plus Unit
- User Manual
- Customer Support Card
- Power Cable
- Ethernet Cable (CAT7)
- SSD Silicone Pads (x4)
- Screws and Screwdriver

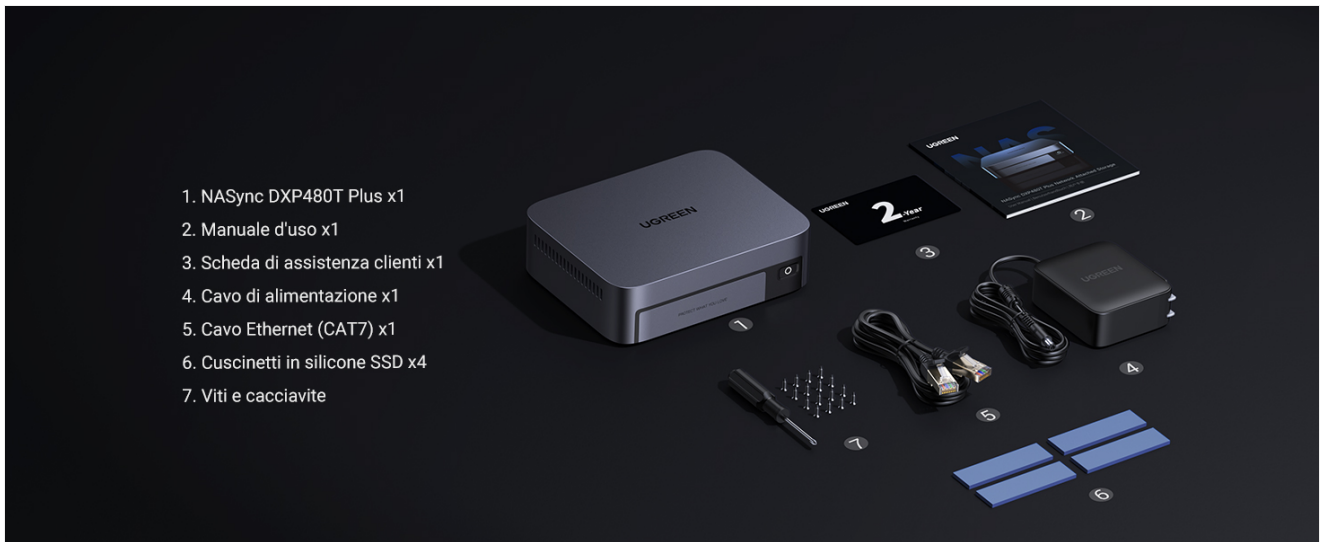


Figure 3.1: Package Contents

3.2 Hardware Installation (SSD/NVMe Drives)

The DXP480T Plus supports four M.2 NVMe SSDs. Follow these steps to install your drives:

1. Carefully open the NAS enclosure to access the M.2 slots.
2. Insert each M.2 NVMe SSD into its designated slot.
3. Secure the SSDs with the provided screws and use the silicone pads if necessary for proper fit and heat dissipation.
4. Close the NAS enclosure securely.

Spazio di archiviazione All-flash

Fino a **32TB**

11 milioni

Immagini da 3 MB

33 milioni

File da 1 MB

21 K

Filmati da 1,5 GB



Nota: i dischi di archiviazione non sono inclusi.

Figure 3.2: M.2 NVMe SSD Installation

3.3 Connecting the NAS

1. Connect the NAS to your network using the provided Ethernet cable. For optimal performance, use the 10GbE port with a compatible network infrastructure.
2. Connect the power adapter to the NAS and then to a power outlet.
3. Press the power button to turn on the device.

Porta di rete 10GbE

Trasferimenti dei file ad alta velocità



Figure 3.3: Network Connection via 10GbE Port

3.4 Initial Software Setup

Once powered on, access the NAS through your web browser or the dedicated UGREEN NAS app. Follow the on-screen instructions to initialize the system, create storage pools, and configure user accounts. Ensure you update the firmware for the best experience.

Sistema UGos Pro sviluppato internamente

Disponibile su Windows, MacOS, Android, Web e TV
Accedi al tuo NAS in qualsiasi momento

UGOS PRO



Windows



MacOS



iOS



Android



TV



Web

Figure 3.4: UGOS Pro Operating System Overview

4. OPERATING INSTRUCTIONS

4.1 File Management and Sharing

Use the integrated File Manager within the UGOS Pro interface to organize, upload, download, and share your files. You can create shared folders and manage access permissions for different users.

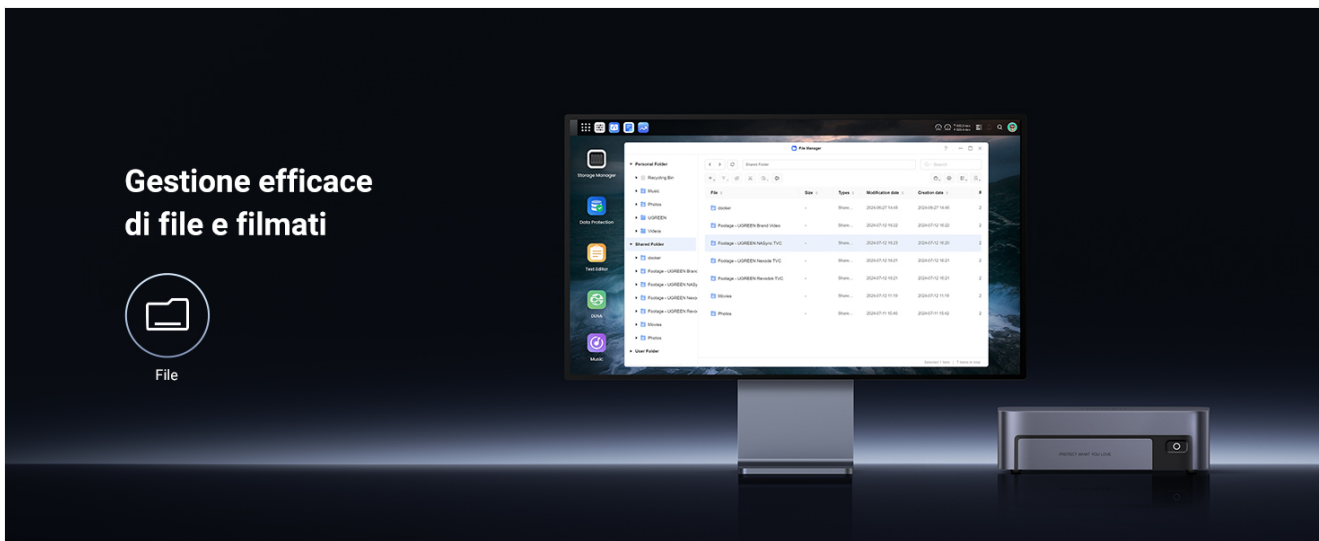


Figure 4.1: Efficient File and Footage Management

4.2 Data Protection (RAID)

The NAS supports various RAID configurations (JBOD, Basic, RAID0, RAID1, RAID5, RAID6, RAID10) to protect your data against drive failure. Configure your preferred RAID level during initial setup or via the Storage Manager.

4.3 Multimedia Features

Transform your NAS into a home media library. Stream movies, music, and photos to your phones, tablets, PCs, and smart TVs using the built-in multimedia applications.

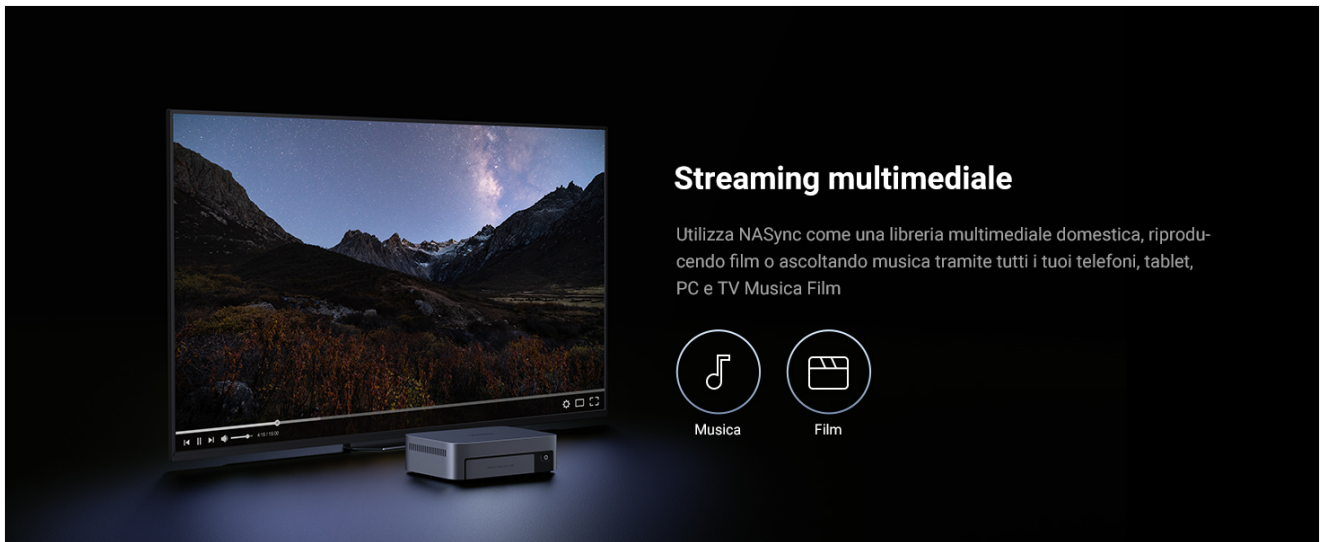


Figure 4.2: Multimedia Streaming Capabilities

4.4 Remote Access

Access your files and synchronize photos in real-time from anywhere using the remote access features. The unified app simplifies this process across various devices.

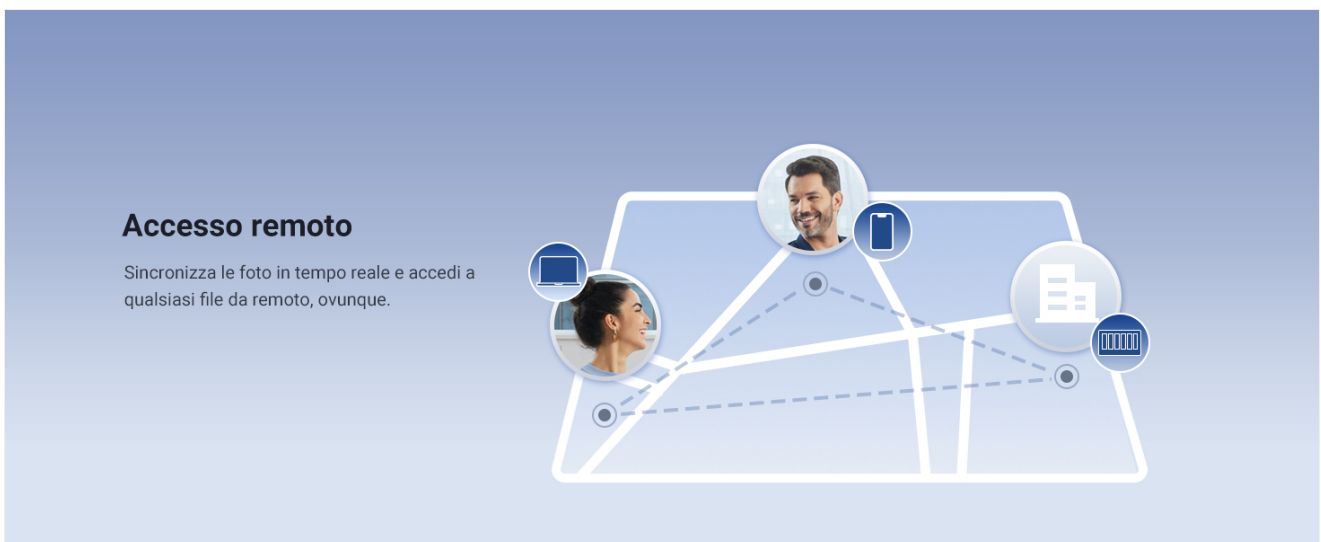


Figure 4.3: Remote Access Functionality

4.5 App Center and Docker

The App Center provides various utilities for system management and entertainment. The NAS also supports Docker, allowing you to deploy and manage containerized applications.

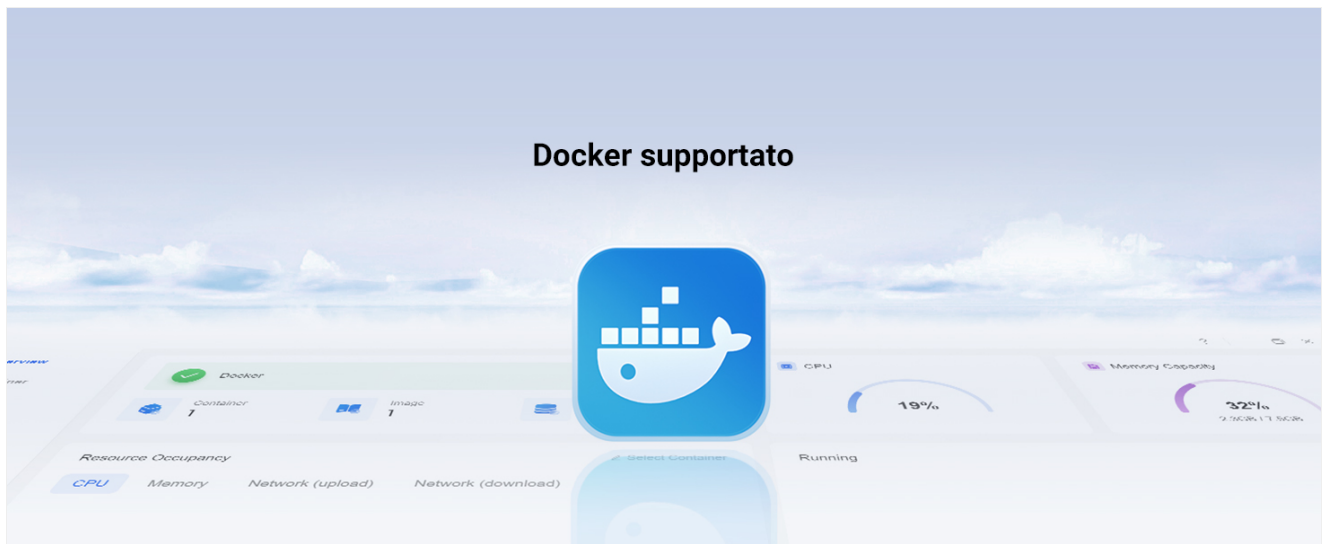


Figure 4.4: Docker Support

5. MAINTENANCE

5.1 System Updates

Regularly check for and install firmware updates through the UGOS Pro interface to ensure your NAS has the latest features, security patches, and performance improvements.

5.2 Cooling Management

The NAS features an intelligent cooling fan system with multiple modes (Default, Silent, Fast) to maintain optimal operating temperatures. Ensure proper ventilation around the device.



Figure 5.1: Intelligent Cooling Fan System

5.3 Hardware Checks

Periodically inspect the physical connections (power, network, Thunderbolt) and ensure all SSDs are securely seated. Avoid exposing the device to extreme temperatures or humidity.

6. TROUBLESHOOTING

If you encounter issues with your UGREEN NASync DXP480T Plus, refer to the following common solutions:

- **Device Not Powering On:** Check the power cable connection and the power outlet. Ensure the power adapter is functioning correctly.
- **No Network Access:** Verify the Ethernet cable connection to both the NAS and your router/switch. Check network settings in UGOS Pro. Ensure your router is assigning an IP address.
- **Slow Performance:** Check network bandwidth, especially if using a 1GbE connection instead of 10GbE. Monitor CPU and RAM usage through the UGOS Pro interface. Ensure SSDs are healthy and not overloaded.
- **Drive Not Detected:** Power off the NAS, re-seat the M.2 NVMe SSDs, and power on again. Check the Storage Manager in UGOS Pro to see if the drives are recognized.
- **Software Issues:** Try restarting the NAS. If problems persist, check for firmware updates. For persistent software issues, consider contacting UGREEN support.

For more detailed troubleshooting steps, consult the online knowledge base or contact UGREEN customer support.

7. SPECIFICATIONS

Feature	Detail
Brand	UGREEN
Model Number	DXP480T Plus
Processor	Intel Core i5 1235u (10-Core, 12-thread)
RAM	8 GB DDR5 (expandable up to 64 GB)
Internal Storage	4 x M.2 NVMe SSD slots (up to 32 TB total)
Network Interface	1 x 10GbE Port, Wi-Fi 6
Video Output	HDMI 8K
Other Ports	2 x Thunderbolt 4, USB 3.2
RAID Support	JBOD/Basic/RAID0/RAID1/RAID5/RAID6/RAID10
Operating System	UGOS Pro
Dimensions (DxWxH)	17.9P x 5.2I x 14.2H cm (Product), 10cm x 10cm x 10cm (Size)
Weight	2 Kilograms
Material	Metal
Compatible Devices	Server, Desktop, Laptop

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Your UGREEN NASync DXP480T Plus comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official UGREEN website for detailed warranty terms and conditions. Keep your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, troubleshooting, or any product-related inquiries, please contact UGREEN customer support. Contact information can be found on the customer support card included in your package or on the official UGREEN website.