

TerraMaster F6-424 NAS/storage server Desktop Intel® N N95 8 GB DDR5 Black

Gamintojas: **TERRAMASTER** · Modelis: **F6-424** · EAN: **6939236145671** · Prekės kodas: **905118**



745,90 €

Kaina su PVM

Be PVM: **616,45 €**

Sandėlyje



Prekė internetu

Nuskenaukite kodą arba apsilankykite www.shopro.lt

Pagrindinės savybės

- ✓ Home & Home Office NAS Desktop Black
- ✓ Number of storage drives supported: 6 HDD & SSD Serial ATA
- ✓ Intel® N N95
- ✓ 8 DDR5 Memory slots: 1 SO-DIMM
- ✓ Ethernet LAN iSCSI support Wake-on-LAN ready
- ✓ Cooling type: Active
- ✓ Backup features: Cloud, USB drive 150 W



Aprašymas

F6-424

6-Bay High Performance NAS For Business

Designed for High Performance Requirements

The 6-Bay F6-424 is suitable for SMB users who need high-performance storage solutions. High performance means that users can easily handle high-load workflows, while multiple business-level backup solutions guarantee data safety and safeguard against the risk of data loss.

Excellent Performance

It features the Intel Celeron N95 4-core 4-thread processor with a maximum turbo frequency of 3.4GHz, integrated Intel® UHD Graphics card with a maximum dynamic frequency of 1.20 GHz, and supports AES NI hardware encryption. Equipped with 8GB DDR5 4800MHz memory, two 2.5G Ethernet ports, and built-in dual M.2 NVMe slots for SSD caching, it significantly boosts the storage efficiency of the disk array. This makes the F6-424 an ideal high-performance storage solution for small and medium-sized business users engaged in virtualization and database applications.

Faster Application Response

Featuring a more powerful CPU and DDR5 memory, the F6-424 represents a performance improvement of more than 140% on the previous generation. Application load times have increased by 90%, file and photo retrieval speed by 40%, database response speed by 50%, and the PHP response for web pages has seen a remarkable 60% improvement. Such enhanced performance enables seamless handling of high-load workflows.

Higher Transmission Speed

The F6-424 is configured with two 2.5 GbE interfaces, supporting a 2.5 GbE high-speed network bandwidth. The linear data transmission speed can reach 283 MB/s (Seagate IronWolf 18TB x 6, RAID 0). Link Aggregation offers a network bandwidth up to 5 Gb, thereby providing a cost-effective solution for multi-user and high-concurrent file access.

Powerful Multimedia Service

With 4K video decoding capability, the F6-424 is compatible with uPnP/DLNA protocol and can stream videos to various multimedia devices, including computers, smart phones, media players and televisions, by using TerraMaster's proprietary application Multimedia Server or the one from another third-party, to deliver users constant, reliable entertainment experiences.

Versatile Storage Options, Configure as You Wish

The F6-424 offers a comprehensive range of storage configurations; in particular, it supports various RAID types, including Single, RAID 0, 1, 5, 6, and 10. It can also utilize TerraMaster's innovative flexible array (TRAID/TRAID+), which readily enables online capacity expansion, migration, and redundant disk configuration within the array. Users can create multiple storage spaces and choose between the ext4 or Btrfs file systems, based on their business needs. For added flexibility, the F6-424 can be paired with the TerraMaster USB DAS disk array to seamlessly expand storage capacity as needed.

Professional Operating System

TNAS runs on TOS, a TerraMaster operating system developed based on Linux. Extensive research into the needs of various business users and the resultant continued evolution of multiple TOS generations has enabled it to integrate all-round professional storage management functions including network management, permission management, storage management, and resource monitoring via user-friendly, intuitive, and flat web interfaces. It also provides hundreds of free apps for the app market.

Across-Platform File Services

The ability of the F6-424 to support most file services (SMB, AFP, SFTP/FTP, iSCSI, NFS, and WebDAV) enables it to successfully address the across-platform file service needs of different network environments. Moreover, the F6-424 supports Windows AD domain and LDAP, thereby facilitating the incorporation of the existing IT environments of business users and improving management efficiency. The presence of permission management at the level of users, user groups, and file directories means that the F6-424 can satisfy the comprehensive requirements of business users for inter-departmental collaboration and data security.

Rich Backup Solutions

TOS can protect valuable data using visual user interfaces and trustworthy storage solutions thanks to its integration with multiple backup applications that can address backup needs in an array of circumstances.

Centralized Backup: Backup for servers, virtual machines, employee PCs, and file servers can be initiated at the TNAS end, thus facilitating the rapid restoration of data after incidents.

Duple Backup: In order to provide several offsite backup versions, Duple Backup provides advanced data protection by backing up files to another remote TNAS, file server, or cloud drive.

Snapshot: It is possible to take continuous snapshots of your folders or iSCSI LUNs by enabling the snapshot schedule with the advanced storage technology and optimized snapshot technology available via the BTRFS file system. When problems arise, the system can roll back to points-in-time and restore to the last backup, thereby ensuring that your data is well protected.

CloudSync: This backs up or synchronizes TNAS data with the cloud drive, which not only improves the availability of cloud data, but also provides several offsite backup versions, thus safeguarding the security of your data.

Virtualized Applications

The F6-424 satisfies virtualized application needs and provides additional functionality within one device with the use of professional virtualized apps, including VirtualBox and Docker, and by cooperating with Docker-compose and Portainer. This lowers the cost of corporate investment in IT.

System Level Security Protection

Increased cyberattacks mean that the system security of network devices security system are obliged to address considerable challenges. TOS enables various systematic safeguards, such as pam identity authentication, AES 256 encryption, automatic account lockout, anti-DoS attack, firewall and Security Isolation Mode. Hence, it effectively reduces the risks of malicious attacks on your devices.

Multiple Commercial Applications

TNAS allows business users to easily build file servers, mail servers, web servers, FTP servers, MySQL databases, CRM, Node.js, Java VMs, and many other services, thereby satisfying the commercial requirement of various SMBs in such fields as education, consulting, finance, scientific research, and law.

Easier Hard Disk Replacement

The F6-424 is designed with a tool-free hard disk tray, removing the need for any tool during hard disk installation. The F6-424 also features TerraMaster's unique Push-Lock design, which automatically locks the hard disk on insertion to prevent it from coming loose or going offline. As a result, it is extremely convenient for users who need to replace hard disks frequently for data exchange, as their installation takes less than 10 seconds.

Easy Installation of M.2 SSD

To facilitate the installation of M.2 SSDs, TerraMaster has specially designed a side sliding cover for the F6-424 chassis, which is simply pushed aside to install M.2 SSDs. TerraMaster also provides hand-tightened screws, making it easy to install an SSD within 5 seconds.

Better Heat Dissipation

The F6-424 features an intelligent temperature-controlled fan, which ensures optimal working conditions by automatically adjusting fan speed according to hard disk temperature. It also has a dedicated ventilation channel for M.2 SSDs to accommodate hybrid storage applications. Even under full load, the temperature of any M.2 SSDs can be kept within a reasonable range.

Less Noise

The unit's close placement to the user has required a design that achieves greatly reduced noise to meet the strict requirements for these levels in desktop products. The high-speed rotation of disks and heads in HDDs when reading and writing produces vibrations with noticeable noise. These vibrations may resonate with the product's cavity and amplify the overall noise. To combat this, besides incorporating additional shock-absorbing

measures, TerraMaster's engineers have designed numerous special sound-absorbing panels in the new structure to minimize noise. Testing has shown that the new generation of products achieve noise levels 50% lower than the previous generation's, with a noise level in standby mode of only 22 dB(A)!

(Test conditions: Using 2 SATA HDDs/SSDs in standby mode; Test environment noise: 17.3 dB(A); Test distance: 1m)

Techninė specifikacija

Storage	
Storage drives installed	No
Number of storage drives supported	6
Installed storage drive type	No
Supported storage drive types	HDD & SSD
RAID support	Yes
Supported storage drive interfaces	Serial ATA
Storage drive sizes supported	2.5,3.5"
Maximum supported storage capacity	132 TB
RAID levels	0, 1, 5, 6, 10, JBOD
Online RAID migration	Yes
Hot-swap drive bays	Yes
Supported file systems	BTRFS, FAT32, HFS+, NTFS, ext3, ext4
Processor	
Processor family	Intel® N
Processor manufacturer	Intel
Processor model	N95
Processor boost frequency	3.4 GHz
Processor cores	4
Processor threads	4
Processor cache	6 MB
Memory	
Internal memory	8 GB
Internal memory type	DDR5
Maximum RAM supported	32 GB
Memory slots	1
Memory form factor	SO-DIMM
ECC	No
Network	

Ethernet LAN	Yes
Ethernet LAN data rates	1000,2500 Mbit/s
iSCSI support	Yes
Wake-on-LAN ready	Yes
Supported network protocols	CIFS/SMB, NFS, FTP, SFTP, HTTPS, SSH, iSCSI, SNMP
Link aggregation	Yes
Dynamic DNS (DDNS)	Yes
Ports & interfaces	
Ethernet LAN (RJ-45) ports	2
USB port	Yes
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
HDMI ports quantity	1
HDMI version	2.0b
Concurrent connections	512
Design	
Chassis type	Desktop
Cooling type	Active
Product colour	Black
Number of fans	2 fan(s)
Fan diameter	9.2 cm
Performance	
Type	NAS
Device class	Home & Home Office
Backup function	Yes
Backup features	Cloud, USB drive
Multilingual support	Yes
Number of users	2048 user(s)
Noise level	22 dB
Third-party support	Yes
Snapshot	Yes
Management protocols	SNMP
Security algorithms	AES, HTTPS, SNMP, SSH
Access Control List (ACL)	Yes
On/off switch	Yes

Browser supported	Google Chrome, Mozilla Firefox, Apple Safari, Microsoft Edge
System log	Yes
Hot spare	Yes
S.M.A.R.T. support	Yes
Share folder	512
Universal Plug and Play (UPnP)	Yes
Software	
Windows operating systems supported	Yes
Linux operating systems supported	Yes
Mac operating systems supported	Yes
Other operating systems supported	Android, iOS
Power	
Power supply unit (PSU) capacity	150 W
Power consumption (typical)	43 W
AC input voltage	100 - 240 V
AC input frequency	50 - 60 Hz
Weight & dimensions	
Width	240 mm
Depth	222 mm
Height	154 mm
Weight	2.7 kg
Package width	342 mm
Package depth	281 mm
Package height	188 mm
Package weight	4.2 kg
Packaging content	
External power adapter	Yes
Cables included	AC, LAN (RJ-45)
Quick installation guide	Yes
Operational conditions	
Operating temperature (T-T)	0 - 40 °C
Operating relative humidity (H-H)	5 - 95%
Storage temperature (T-T)	-20 - 60 °C
Other features	

Digital Living Network Alliance (DLNA) certified	Yes
Warranty period	2 year(s)
Compliance certificates	CCC, CE, Federal Communications Commission (FCC), KC, RoHS, WEEE
Certification	FCC, CE, CCC, KC
Sustainability	
Sustainability compliance	Yes
Matmenys ir svoris	
Matmenys (I × P × A)	33,00cm × 27,00cm × 18,00cm
Svoris	4,21kg

Dokumentai ir vaizdo įrašai

› [Vaizdo įrašas](#) youtube.com/watch?v=zKf7YIS_37I

Gamintojo ir saugos informacija

GAMINTOJAS

TerraMaster

PLATINTOJAS

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