TERRAMASTER F2-213 2-bay NAS Server

Model: F2-213

Manufacturer: TERRAMASTER

EAN: 6939236148986

Product Code: 1742736

R8,352

TERRAMASTER F2-213 NAS File Server, 2-bay

The TerraMaster F2-213 is a 2-bay NAS server designed for centralized data storage, backup, and sharing in the home or small office. Equipped with an 8-core Rockchip RK3576 processor, 4 GB of LPDDR5 memory, and a 2.5GbE network port, it supports two HDD or SSD drives with a total capacity of up to 64 TB. The TOS 7 operating system with local AI makes it easy to organize photos, manage files, and protect data. The server also offers hardware-accelerated 4K video decoding, support for Docker applications, RAID configurations, and remote file access from a computer or smartphone. As a result, it can serve as a home media center, a private cloud, or a shared space for business documents.

8-core processor and fast LPDDR5 memory

At the heart of the TerraMaster F2-213 is an 8-core Rockchip RK3576 processor, manufactured using 8-nm technology and equipped with four Cortex-A72 cores and four Cortex-A53 cores. Combined

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with 4 GB of LPDDR5 memory, it delivers the performance needed to simultaneously transfer files, perform backups, and run server applications. The built-in NPU (AI accelerator) with a performance of 6 TOPS supports local processing of artificial intelligence tasks, including photo recognition and classification. The processor’s energy-efficient architecture helps reduce power consumption during everyday use.

Two bays and up to 64 TB of storage space

The server has two bays that support 3.5" SATA HDDs, 2.5" SATA HDDs, and 2.5" SATA SSDs. Each bay can accommodate a drive with a capacity of up to 32 TB, for a total of up to 64 TB of file storage (actual capacity depends on the RAID mode). You can choose between TRAID, RAID 0, RAID 1, JBOD, or Single configurations to tailor data storage to your needs. The server also supports hot-swappable drives without powering down the device. An additional convenience is the direct-mount feature—simply insert a drive with existing data to access it over the network without prior formatting.

TOS 7 System with Local AI

The TOS 7 operating system integrates artificial intelligence features, including control via natural language commands. The Terra Photos app uses local AI algorithms to recognize faces, animals, objects, and scenery in photos. You can more easily organize and search even a large photo collection by creating separate family, travel, or themed albums. Photo analysis takes place locally on the server, without the need to upload them to an external cloud. TOS 7 also offers management of user accounts, shared folders, and permissions, which is useful when multiple household members or coworkers use the server.

Access files from anywhere

The TerraMaster F2-213 is compatible with Windows, macOS, and Linux computers, as well as Android and iOS mobile devices. The TNAS PC app allows you to mount the server’s storage as a network drive, so you can open, edit, and organize files directly in your computer’s File Explorer. TNAS Mobile provides access to documents and photos from your smartphone and supports automatic photo backups. TheTNAS.onlineservice allows you to connect to the server remotely via the Internet without a public IP address. When sharing files, you can set a password, a link expiration

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date, an access limit, and download permissions.

Backups and Multi-Level Data Protection

The TerraMaster F2-213 offers tools to protect files against accidental deletion, disk failure, or unauthorized changes. RAID 1 and TRAID with redundancy help maintain access to data in the event of a single-drive failure, while file system snapshots allow you to restore previous versions of data. TerraSync synchronizes selected folders between your computer and the NAS and stores up to 32 historical versions of files. Duple Backup is used for backups, and CloudSync synchronizes data with services such as Google Drive, OneDrive, and Dropbox. Security is enhanced by AES encryption, a firewall, blocking of suspicious IP addresses, and OTP authentication. The TOS 7 system also supports the HyperLock WORM feature, which protects selected data from modification and deletion.

4K Home Media Center

Thanks to hardware decoding of H.265, H.264, VP9, and AV1 formats, the TerraMaster F2-213 supports 4K content at frame rates of up to 60 frames per second. You can store movies, music, and photos in one place and then play them back on compatible devices. Support for DLNA and apps such as Plex Media Server, Emby, and Multimedia Server makes it easy to stream content to Smart TVs, computers, tablets, and media players. The server also works with apps like Transmission, qBittorrent, and Aria2 for managing file downloads. Additionally, Docker support allows you to expand the device’s capabilities with additional services and applications. The HDMI port is used to display system messages and commands, not for direct video playback.

Included in the package

- TerraMaster F2-213 NAS server
- AC power adapter
- Power cord
- RJ-45 network cable
- Quick installation guide
- Warranty document
- Mounting screws

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Manufacturer	TerraMaster
Model	F2-213
Device Type	NAS file server
Processor	Rockchip RK3576, 8-core
Processor Architecture	4 × Cortex-A72 + 4 × Cortex-A53
Processor Manufacturing Process	8 nm
AI Accelerator	6 TOPS NPU
RAM	4 GB LPDDR5
Number of drive bays	2
Supported drives	3.5" SATA HDD, 2.5" SATA HDD, 2.5" SATA SSD
Maximum drive capacity	64 TB (2 × 32 TB)
Supported RAID modes	TRAID, Single, JBOD, RAID 0, RAID 1
Hot-swappable drives	Yes
Operating system	TOS 7
Internal drive file systems	Btrfs, EXT4
External drive file systems	EXT3, EXT4, NTFS, FAT32, HFS+, Btrfs
LAN port	1 × RJ-45 2.5 GbE (2500/1000/100 Mb/s)
USB-A ports	2 × USB 5 Gb/s
USB-C port	1 × USB 5 Gb/s
Card reader	microSD (SD 3.0, UHS-I, up to 104 MB/s)
HDMI port	1 × HDMI (for displaying system messages and commands)
Hardware video decoding	H.265, H.264, VP9, AV1
Maximum decoding resolution	4K, up to 60 frames per second
Supported protocols	SMB, AFP, NFS, FTP, SFTP, WebDAV, HTTPS, SSH, iSCSI, SNMP
Supported computer systems	Windows, macOS, Linux

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Supported mobile systems	Android 10.0 or later, iOS 14.0 or later
Network features	DLNA, VPN, DDNS, Wake on LAN, TNAS.online
Backup Features	TerraSync, Duple Backup, CloudSync, Rsync, Time Machine, file system snapshots
Security	AES encryption, firewall, automatic account locking, OTP, HyperLock WORM
Docker Support	Yes
Fan	1 × 92 × 92 × 25 mm
Fan modes	Smart, High, Medium, Low
Noise level	22.9 dB(A) in standby mode with two drives
Power consumption	approximately 20 W during read/write operations with two test drives
Power supply capacity	60 W
Power supply input voltage	100–240 V AC, 50/60 Hz
Server Power Supply	12 V DC
Operating Temperature	0–40°C
Dimensions	105 × 155 × 222 mm
Weight	1.05 kg

GPSR Link: https://psr-assets.innpro.pl/it_accessories/sg_it_accessories_network_devices.pdf, PPWR: https://ppwr.innpro.pl/en/terramaster, Gross weight: 2300, Net weight: 1500, Box length: 25,00, Box width: 21,60, Box height: 25,00, Last delivery: 17.11.2026

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