

Specification

Model: F4-425

Processor	
Processor Model	Intel® N5095
Processor Architecture	x86 64-bit
Processor Frequency	Quad Core 2.0 GHz (Max burst up to 2.9 GHz)
CPU Single-Core Score	/
Hardware Encryption Engine	√
Hardware Transcoding Engine	H.264, H.265, MPEG-4, VC-1; maximum resolution: 4K (4096 x 2160); maximum frame rate per second (FPS): 60
Memory	
System Memory	4 GB DDR4 non-ECC SODIMM
Pre-installed Memory Module	4 GB DDR4 non-ECC SODIMM (1x 4GB)
Total Memory Slot Number	1 (DDR4 SODIMM)
Maximum Supported Memory	16GB DDR4 non-ECC SODIMM
Note	TerraMaster reserves the right to replace memory modules with the same or higher frequency based on supplier's product life cycle status. Rest assured that the compatibility and stability have been strictly verified with the same benchmark to ensure identical performance.
Storage	
Disk Slot Number	4
Compatible Drive types	3.5" SATA HDD
	2.5" SATA HDD
	2.5" SATA SSD
Maximum Internal Raw Storage Capacity	120 TB (30TB x4) (Capacity may vary by RAID types)
Drive Hot Swap	√
Note	Hard drive vendors will release their latest models of hard drives, and Maximum internal raw storage capacity may be adjusted accordingly. The maximum single volume size is not directly related to the maximum raw capacity.
File System	
Internal Drive	Btrfs, EXT4
External Drive	EXT3, EXT4, NTFS, FAT32, HFS+, BTRFS
External Ports	
RJ-45 2.5GbE Network Port	1
USB3.2 Host Port	2 x 10 Gbps + 1 x 5 Gbps
HDMI	1 x HDMI
Appearance	
Size (H*W*D)	222 x 179 x 154 mm
Packaging Size (H*W*D)	300 x 275 x 186 mm
Weight	Net Weight: 2.1 Kg , Gross Weight: 3.2 Kg
Others	
System Fan	120 x 120 x 25mm 1PCS
Fan Mode	Smart, High speed, Middle speed, Low speed
Noise Level	21.0 dB(A) (Using 2 SATA HDDs/SSDs in standby mode; Test environment noise: 17.3dB(A); Test distance: 1m)
Power Supply	90 W
Redundancy Power Supply	/
AC Input Voltage	100V - 240V AC
Current Frequency	50/60 Hz, Single frequency
Power Consumption	33.0 W(Fully loaded Seagate 4TB ST4000VN008 hard drive(s) in read/write state)

Power Consumption	13.0 W (Fully loaded Seagate 4TB ST4000VN008 hard drive(s) in hibernation)
Limited warranty	2 years
Certificate	FCC, CE, CCC, KC
Environment	RoHS, WEEE
Temperature	
Working Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C (-5°F ~ 140°F)
Relative Humidity	5% ~ 95% RH
Package Contents	
	Host unit (x1)
	Power cord (x1)
	Power Adapter(x1)
	RJ-45 network cable (x1)
	Quick Installation Guide (x1)
	Limited Warranty Note(x1)
	Screws (a few)
TOS Features	
OS Supported	
Supported Client OS	Windows OS, Mac OS, Linux OS
Supported Web Browsers	Google Chrome 97.0 or later, Mozilla Firefox 9.3, Apple Safari 12.1 ; Microsoft Edge 99.0.000 or later version.
Supported mobile OS	iOS14.0, Android 10.0 or later version
Storage Management	
Supported RAID Types	TRAIID, TRAIID + , Single, JBOD, RAID 0, RAID 1, RAID5, RAID 6, RAID 10
Maximum Internal Volume Number	128
Maximum iSCSI Target	64
Maximum iSCSI LUN	64
Volume Expansion with Larger HDDs	TRAIID, TRAIID + , RAID 5, RAID 6, RAID 10
Volume Expansion by Adding a HDD	/
RAID Migration	√
SSD Cache	√
Hot Spare	√
SSD TRIM	√
Hard Drive S.M.A.R.T.	√
Seagate IHM	√
NVRAM write cache(BBU-protected)	/
Shared Folder Snapshot	√
LUN Snapshot	√
File Services	
File Protocol	SMB/AFP/NFS/FTP/SFTP/WebDAV
Maximum Concurrent SMB/AFP/FTP/SFTP Connections	100
Windows Access Control List (ACL) Integration	√
NFS Kerberos Authentication	√
Account & Shared Folder	
Maximum local user's account number	128
Maximum local group number	128
Maximum shared folders number	128
Maximum shared folders syncing tasks	8
Backup	
Rsync Backup	√
Duple Backup	√
Centralized Backup	√
Snapshot	√
USB Backup	√

Cloud Sync	√
Time Machine Backup	√
File System Snapshot	√
TFM Backup	√
Networking	
TCP/IP	IPv4/IPv6
Protocols	CIFS/SMB, NFS, FTP, SFTP, HTTPS, SSH, iSCSI, SNMP
Link Aggregation	√
DLNA Compliance	√
VPN Client	√
VPN Server	√
Proxy Client	√
Proxy Server	/
UPnP/Bonjour Discovery	√
TNAS.online Remote Access	√
DDNS	√
Access Right Management	
Batch users creation	/
Import/Export users	√
User Quota Management	√
Local user access control for CIFS/SAMBA and FTP	√
Domain Authentication	
AD Domain	√
LDAP Client	√
LDAP Server	/
Security	
Firewall Protection	√
Account Auto-block Protection	√
AES Shared Folder Encryption	√
Importable SSL certificate	√
Instant Alert via email, Desktop Notification, Beep	√
RSA 2048 Encryption (TOS 6.0)	√
PAM (Pluggable Authentication Modules)	√
OTP Authentication (TOS 6.0)	√
HyperLock File System (TOS 6.0)	√
Power Management	
Power Resume	√
Scheduled Power On/Off	√
Wake up On LAN (WOL)	√
UPS Supported	√
Administration	
Multi-window, Multi-task System Management	√
Custom Desktop	√
Control Panel	√
Resource Monitor	√
Syslog	√
OS UI Language	English, German, French, Spanish, Italian, Magyar, Chinese, Japanese, Korean, Turkish, Portuguese, Russian
Applications	
Application Center	√
iSCSI Target	√
Terra Photos	√
TerraSync	√
Duple Backup	√
CloudSync	√

Centralized Backup	✓
USB Backup	✓
VPN Server	✓
Transmission	✓
qBittorrent	✓
Aria 2	✓
Surveillance Manager	✓
Deduplication	✓
Web Server	✓
Clam Antivirus	✓
EMBY	✓
Multi Media Server	✓
Plex Media Server	✓
Docker Manager	✓
Snapshot	✓