

# **TerraMaster F2-212**

# 2-Bay Home Network Storage Datasheet



F2-212 is equipped with a more powerful ARM V8.2 Cortex-A55 64-bit 1.7GHz quad-core processor, built-in floating point unit (FPU) and NEON SIMD engine, 1GB DDR4, video DSP hardware acceleration, whilst also boastings more powerful 4K video encoding and decoding capabilities. The F2-212 is adequate for home document backup and providing multimedia entertainment.



## **New Operating System**

F2-212 runs the new operating system TOS 5, which adds more than 50 new functions and 600 improvements compared with the previous generation. The new features meet more business requirements, as well as significantly improving response speed, security, and ease of use.

#### **Home Data Center**

The F2-212 supports up to 22 TB of hard drive, and the total capacity can reach 44 TB. It can store 15 million HD photos, 9 million working documents, 20,000 HD movies, and 2 million downloadable music, enabling you to back up the data in Windows PC, MAC computer, mobile phone, HDD enclosure, and network disk to TNAS for centralized management. This adequately protects users from data loss resulting from hardware malfunction or ransomware.

#### **Home Multimedia Center**

The F2-212 features powerful 4K video hardware decoding capability, and is compatible with uPnP/DLNA protocol. With TerraMaster's dedicated "Multimedia Server" app or third-party multimedia servers (Emby, Plex), it can stream videos to a variety of multimedia devices including smart phones, tablets, Roku, Apple TV, Google Chromecast, Amazon Fire TV, and smart TV, delivering users constant, reliable entertainment experiences.

## Easy to swap hard drives

The F2-212 features a tool-free hard drive tray design that allows for easy installation and removal of hard drives without tools. Furthermore, the F2-212 incorporates a brand new Push-lock unique design from TerraMaster, which automatically locks the hard drive tray when you insert the hard drive, preventing the hard drive from falling out or disconnecting. As a result, installing a hard drive takes less than 10 seconds, providing great convenience for



users who frequently swap hard drives to exchange data.

## Flexible Storage Space Management

TRAID is the abbreviation of TerraMaster RAID. TRAID is a flexible disk array management tool developed by TerraMaster. It has features such as the automatic combination of disk space, hard disk failure redundancy protection, and automatic capacity expansion. All these functions do not require manual configuration by the user, and the system will automatically complete the configuration according to the properties of the hard disk. TRAID provides users with an optimized, flexible and elastic disk array management solution, especially suitable for new users who are not proficient in how to configure a disk array.

#### Across-Platform File Services

The F2-212 supports all mainstream file services: SMB, NFS, SFTP/FTP, AFP, iSCSI, WebDAV; and is provided with multiple permission management of users, user groups, and folder, meeting across-platform file services in various network environments.

## **Advanced File Systems**

Both EXT 4 and Btrfs file systems are supported, with the Btrfs file system introducing advanced storage and Snapshot technology to prevent data damage and reduce maintenance costs. As well as improving data integrity, this also provides flexible and efficient data protection and recovery tools.

## No Fear of Ransomware Attacks

The TerraMaster File System Snapshot (TFSS) is a data protection tool founded upon on file system developed by TerraMaster. The TFSS takes snapshots of an entire file system by exploiting advantages of the features of the BTRFS file system, as such all the data on your TNAS device will be protected. In case of an accident, one just simply clicks the snapshot list



to recover the data in an instant, without the risk of human error or ransomware attacks.

## **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.

Time Machine Backup: Allows macOS users to back up data on MAC computers, manage folder storage quotas, and selectively restore data based on the previous version of the backed up data as per timeline.

TerraSync: It's not only suitable for data synchronization among various clients for realizing version management of synchronized data, but it also can help Windows computer users to realize the multi-version backup of computer data.

TerraMaster File System Snapshot (TFSS): TFSS takes snapshots of entire file system of a TNAS device by reaping the benefits of the features of the file system, so as to avoid data loss caused by misoperations or ransomware attacks.

TFM Backup: With TFM Backup, one can easily back up shared folders in TNAS or to a wide range of various local storage locations or even to a remotely mounted folder.

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.

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.

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



## **Building a Convenient and Safter Private Cloud**

With TNAS.online service of TerraMaster, one can easily access files from TNAS over the Internet without setting additional port forwarding rules, DDNS, or other complex network settings. One can assign different access right to relatives or friends to share one's enjoyment at no extra cost. Free CloudSync supports the two-way synchronization function of Baidu Cloud, Google Drive, Dropbox, Amazon S3, OneDrive, NextCloud, Pcloud, Backblaze B2 and many other cloud drives, This permits one to easily open the data channel between your private cloud and public cloud drive, and enjoy the convenience of cloud life.

#### **More Flexible Mobile Access**

One can access the TNAS device anytime and anywhere on any iOS or Android mobile client, which enables one to browse files, back up albums and share photos as and when one pleases. The TerraMaster mobile client is even equipped with a mobile administrator for easy remote management of your TNAS at home, further improving the flexibility of use.

## **Improved Desktop Assistant**

For convenience, the desktop client specially developed by TerraMaster for Windows and MAC can help one quickly find devices in the network, create a quick access connection, browse files through a single click, and get technical support in a rapid manner. Furthermore, it entails data synchronization and backup, making it a sufficient tool to assist computer users.

## **Simple & Fast System Installation**

To ensure simple usage, TerraMaster provides a hands-on online tutorials and videos, with a specially designed "Default mode" to set all configurations to optimal home mode, so all the steps can be completed after the first initial system installation in just a few minutes.



## **Rich Multimedia Applications**

TerraMaster App Center provides a variety of tools free of charge, including Aria2, qBittorrent, and Transmission, allowing you to manage the document transmission and video download at a high speed in a convenient manner. Various multimedia applications including Multimedia Server, Plex, Emby, Terra Photos, iTunes Server are supported making is more feasible to manage, share and play family movies, photos and music.

## **AI Album Management**

Terra Photos has an AI image recognition engine, which can recognize faces and objects in photos, and automatically form photo albums of "People" and "Objects" with similarly appearing people and objects. Meanwhile, it can also classify photos via location automatically. One can quickly find photos taken in various locations in the "Location Album", which reflects a more intuitive and fluent photo management and sharing experience.

## **Docker Brings Greater Possibilities**

TerraMaster's Docker Manager integrates Docker Hub, the world's largest free container image repository, making it easier for you to find and share container images. Docker Manager provides an intuitive graphical user interface. One can directly download images in Docker Manager, to manage and maintain containers in operation.

## **Worry-free After-sales Service**

TerraMaster implements its unique after-sales service policy that "provides replacements within 2 years" and offers worry-free quality assurance through real-time online customer service, a professional technical forum, an online user guide, a technical service mailbox, and remote troubleshooting.



## **Panel Illustration:**



SN	Item	Description
1	Hard drive tray	3.5" SATA HDD; 2.5" SATA HDD; 2.5" SATA SSD
2	Hard drive indicator	Red: Hard drive failure  Green: Normal operation status  Green (flickering): Reading/writing data  Off: No hard drive detected
3 4	Power indicator/ Power switch	On: Power on Off: Power off

## **Rear Cover Illustration:**

SN	Item	Description
(5)	USB host (×2)	Use to connect USB storage device or USB wireless adaptor
6	Network interface	1000M/100M bps network interface
7	Power interface	DC 12V input



# **Specifications:**

Processor	
Processor Model	Realtek 1619B
Processor Architecture	ARM V8.2 Cortex-A55 64-bit
Processor Frequency	Quad Core 1.7 GHz
CPU Single-Core Score	/
Hardware Encryption Engine	٧
Hardware Transcoding Engine	/
Memory	
System Memory	1GB
Pre-installed Memory module	/
Total Memory Slot Number	/
Maximum Supported Memory	1 GB
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	2
	3.5" SATA HDD
Compatible Drive types	2.5" SATA HDD
	2.5" SATA SSD
2280 M.2 NVMe Slot Number	1
Maximum Internal Raw Storage Capacity	44 TB (22 TB x2) (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+
External Ports	
RJ-45 1GbE Network Jack	1
RJ-45 2.5GbE Network Jack	/
RJ-45 10GbE Network Jack	/
SFP+ 10GbE Network Jack	/
USB3.0 Host Port	1
USB2.0 Host Port	1



СОМ	/
HDMI	/
VGA	/
PCIe Slots	/
M.2 2280 NVMe Slot	/
Appearance	
Size (H*W*D)	222 x 119 x 154 mm
Packaging Size (H*W*D)	258 x 220 x 170 mm
Weight	Net Weight: 1.3 Kg Gross Weight: 2.1 Kg
Others	
System Fan	80 x 80 x 25mm 1PCS
Fan Mode	Smart, High speed, Middle speed, Low speed
Noise Level	23.8 dB(A) (Fully loaded Seagate 4TB ST4000VN008 hard
Noise Level	drive(s) in idle state)
Power Supply	40W
Redundancy Power Supply	/
AC Input Voltage	100V - 240V AC
Current Frequency	50/60 Hz, Single frequency
	20.1W(Fully loaded Seagate 4TB ST4000VN008 hard drive(s) in
Power Consumption	read/write state)
1 ower consumption	10.4 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)



Supported Client OS Windows OS, Mac OS, Linux OS Supported Web Browsers Google Chrome 97.0.xxxx, Mozilla Firefox 9.3,Apple Safari 12.1; Microsoft Edge 99.0.xx or later version.  Supported mobile OS IOS14.0, Android 10.0 or later version  Storage Management Supported RAID Types TRAID, Single, JBOD, RAID 0, RAID 1  Maximum Internal Volume Adminimate Institution Science Institution	TOS Features	
Supported Web Browsers  Google Chrome 97.0.xxxx, Mozilla Firefox 9.3,Apple Safari 12.1; Microsoft Edge 99.0.xx or later version  Storage Management  Supported RAID Types  TRAID, Single, JBOD, RAID 0, RAID 1  Maximum Internal Volume Number  Maximum iSCSI Turget  32  Maximum iSCSI Turget  Maximum iSCSI LUN  32  Volume Expansion with Larger HDDs  Volume Expansion by Adding a HDD  RAID Migration  VSSD Cache  V Hot Spare  // SSD TRIM  // Hard Drive S.M.A.R.T.  Vaegagte IHM  VVNVRAM 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  Windows Access Control List (ACL) Integration  NFS Kerberos Authentication Account & Shared Folder  Maximum local user's account number  Maximum shared folders number  Maximum shared folders spincing tasks  2	OS Supported	
Supported Web Browsers  Google Chrome 97.0.xxxx, Mozilla Firefox 9.3,Apple Safari 12.1; Microsoft Edge 99.0.xx or later version  Storage Management  Supported RAID Types  TRAID, Single, JBOD, RAID 0, RAID 1  Maximum Internal Volume Number  Maximum iSCSI Turget  32  Maximum iSCSI Turget  Maximum iSCSI LUN  32  Volume Expansion with Larger HDDs  Volume Expansion by Adding a HDD  RAID Migration  VSSD Cache  V Hot Spare  // SSD TRIM  // Hard Drive S.M.A.R.T.  Vaegagte IHM  VVNVRAM 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  Windows Access Control List (ACL) Integration  NFS Kerberos Authentication Account & Shared Folder  Maximum local user's account number  Maximum shared folders number  Maximum shared folders spincing tasks  2	Supported Client OS	Windows OS, Mac OS, Linux OS
Storage Management  Supported RAID Types TRAID, Single, JBOD, RAID 0, RAID 1  Maximum Internal Volume Number  Maximum ISCSI Target  32  Maximum ISCSI LUN  32  Volume Expansion with Larger HDDs  Volume Expansion by Adding a HDD  Volume Expansion by Adding a HDD  RAID Migration  V  SSD Cache  V  Hot Spare  /  SSD TRIM  / Hard Drive S.M.A.R.T.  V Seagate IHM  NVRAM write cache(BBU-protected)  Shared Folder Snapshot  V File Services File Protocol  Maximum Concurrent SMB/AFP/FTP/SFTP  Connections  Windows Access Control List (ACL) Integration  NFS Kerberos Authentication Account & Shared Folder Maximum local user's account number  Maximum shared folders syncing tasks  Maximum shared folders syncing tasks  TRAID, Single, JBOD, RAID 0, RAID 1  44  40  40  Account & Shared Folder  Maximum shared folders syncing tasks		Google Chrome 97.0.xxxx, Mozilla Firefox 9.3,Apple Safari 12.1;
Supported RAID Types  Maximum Internal Volume Number  Maximum ISCSI Target  32  Maximum ISCSI LUN  32  Volume Expansion with Larger HDDs  Volume Expansion by Adding a HDD  RAID Migration  VSSD Cache  VHot 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 SWIndows Access Control List (ACL) Integration  NFS Kerberos Authentication  Maximum local user's account number  Maximum shared folders number  Maximum shared folders number  Maximum shared folders syncing tasks  TRAID, Single, JBOD, RAID 0, RAID 1  64  ASI  Maximum shared folders 32  TRAID, Single, JBOD, RAID 0, RAID 1  64  ASI  Maximum shared folders 32  ASI  SPAN ARD 1  TRAID, Single, JBOD, RAID 0, RAID 1  ASI  TRAID, Single, JBOD, RAID 0, RAID 1  ASI  TRAID, Single, JBOD, RAID 1  ASI  TRAID, Single, JBOD, RAID 0, RAID 1  TRAID, Sald D.  TRAID, RAID 1  T	Supported mobile OS	iOS14.0, Android 10.0 or later version
Maximum Internal Volume Number  Maximum ISCSI Target  32  Maximum ISCSI LUN  32  Volume Expansion with Larger HDDs  Volume Expansion by Adding a HDD  RAID Migration  VSSD Cache  VHot Spare  SSD TRIM  Hard Drive S.M.A.R.T.  Veagate IHM  VNYRAM write cache(BBU-protected)  Shared Folder Snapshot  LUN Snapshot  File Services  File Protocol  Maximum Concurrent SMB/AFP/FTP/SFTP  Connections  Windows Access Control List (ACL) Integration  Maximum local user's account number  Maximum local user's account number  Maximum local group number  Maximum Shared folders number  Maximum shared folders number  Maximum shared folders syncing tasks  32  TRAID, RAID 1  TRAID, RA	Storage Management	
Number   64   Maximum iSCSI Target   32   Maximum iSCSI LUN   32   TRAID, RAID 1   Maximum iSCSI LUN   32   TRAID, RAID 1   Maximum isCSI LUN   Maximum local group number   Maximum shared folders number   Maximum shared folders syncing tasks   Maximum shared folders syncing tasks   Maximum shared folders number   Maximum shared folders number   Maximum shared folders syncing tasks   Maximum shared folders   Maximum shared folders number   Maximum shared folders syncing tasks   Maximum shared folders   Maximum shared folders number   Maximum shared folders   Ma	Supported RAID Types	TRAID, Single, JBOD, RAID 0, RAID 1
Maximum iSCSI LUN Volume Expansion with Larger HDDs  Volume Expansion by Adding a HDD  RAID Migration VSSD Cache VHOT Spare VSSD TRIM VSSD TRIM VSeagate IHM VNYRAM write cache(BBU-protected) Shared Folder Snapshot VULUN Snapshot VFILE Services File Protocol SMB/AFP/NFS/FTP/SFTP/WebDAV Maximum Concurrent SMB/AFP/FTP/SFTP Connections Windows Access Control List (ACL) Integration VACCOUNT & Shared Folder Maximum local user's account number Maximum local group number Maximum shared folders syncing tasks  TRAID, RAID 1 TRAID, RAID 1 TRAID, RAID 1  V  TORAID 1  TORA		64
Volume Expansion with Larger HDDs  Volume Expansion by Adding a /	Maximum iSCSI Target	32
HDDs TRAID, RAID 1  Volume Expansion by Adding a HDD	Maximum iSCSI LUN	32
HDD / RAID Migration v SSD Cache v Hot Spare / SSD TRIM / Hard Drive S.M.A.R.T. v Seagate IHM v NVRAM write cache(BBU-protected) / Shared Folder Snapshot v LUN Snapshot / File Services File Protocol SMB/AFP/NFS/FTP/SFTP/WebDAV Maximum Concurrent SMB/AFP/TF/SFTP 100 Connections v Windows Access Control List (ACL) Integration v Account & Shared Folder Maximum local user's account number Maximum local group number Maximum local group number Maximum shared folders number Maximum shared folders syncing tasks		TRAID, RAID 1
SSD Cache Hot Spare / SSD TRIM / Hard Drive S.M.A.R.T. V Seagate IHM NVRAM write cache(BBU-protected) Shared Folder Snapshot LUN Snapshot / File Services File Protocol Maximum Concurrent SMB/AFP/FTP/SFTP Connections Windows Access Control List (ACL) Integration NFS Kerberos Authentication Account & Shared Folder Maximum local user's account number Maximum local group number Maximum shared folders syncing tasks  Maximum shared folders syncing tasks  /  /  /  /  /  /  /  /  /  /  /  /  /		
Hot Spare / SSD TRIM / Hard Drive S.M.A.R.T. V Seagate IHM V NVRAM write cache(BBU-protected) / Shared Folder Snapshot V LUN Snapshot / File Services File Protocol SMB/AFP/NFS/FTP/SFTP/WebDAV Maximum Concurrent SMB/AFP/FTP/SFTP 100 Connections Windows Access Control List (ACL) Integration V Account & Shared Folder Maximum local user's account number Maximum local group number 128 Maximum shared folders number Maximum shared folders syncing tasks  // CACL Integration V Account & Shared Folder Maximum shared folders syncing tasks	RAID Migration	٧
SSD TRIM / Hard Drive S.M.A.R.T.	SSD Cache	٧
Hard Drive S.M.A.R.T.  Seagate IHM  NVRAM write cache(BBU-protected)  Shared Folder Snapshot  LUN Snapshot  / File Services  File Protocol  Maximum Concurrent  SMB/AFP/NFS/FTP/SFTP/WebDAV  Maximum Concurrent  SMB/AFP/FTP/SFTP  100  Connections  Windows Access Control List (ACL) Integration  NFS Kerberos Authentication  Account & Shared Folder  Maximum local user's account number  Maximum local group number  Maximum shared folders number  Maximum shared folders syncing tasks  2	Hot Spare	/
NVRAM write cache(BBU-protected)  Shared Folder Snapshot  LUN Snapshot  File Services  File Protocol  Maximum Concurrent SMB/AFP/FTP/SFTP Connections  Windows Access Control List (ACL) Integration NFS Kerberos Authentication Account & Shared Folder Maximum local user's account number  Maximum local group number  Maximum shared folders number  Maximum shared folders syncing tasks  V    V    V	SSD TRIM	/
NVRAM write cache(BBU-protected)  Shared Folder Snapshot  LUN Snapshot  File Services  File Protocol  Maximum Concurrent SMB/AFP/FTP/SFTP  Connections  Windows Access Control List (ACL) Integration  NFS Kerberos Authentication  Account & Shared Folder  Maximum local user's account number  Maximum shared folders number  Maximum shared folders syncing tasks  /   V   /  /  /  /  /  /  /  /  /  /	Hard Drive S.M.A.R.T.	٧
Cache(BBU-protected)  Shared Folder Snapshot  LUN Snapshot  File Services  File Protocol  Maximum Concurrent  SMB/AFP/FTP/SFTP  100  Connections  Windows Access Control List (ACL) Integration  NFS Kerberos Authentication  Account & Shared Folder  Maximum local user's account number  Maximum local group number  Maximum shared folders number  Maximum shared folders syncing tasks   /   //  //  //  //  //  //  //  //	Seagate IHM	٧
Shared Folder Snapshot  LUN Snapshot  / File Services File Protocol  SMB/AFP/NFS/FTP/SFTP/WebDAV  Maximum Concurrent  SMB/AFP/FTP/SFTP  Connections  Windows Access Control List (ACL) Integration  NFS Kerberos Authentication  Account & Shared Folder  Maximum local user's account number  Maximum shared folders number  Maximum shared folders syncing tasks  V  LUN Snapshot  V  ACH COLL STATE	NVRAM write	
LUN Snapshot / File Services  File Protocol SMB/AFP/NFS/FTP/SFTP/WebDAV  Maximum Concurrent SMB/AFP/FTP/SFTP 100  Connections  Windows Access Control List (ACL) Integration NFS Kerberos Authentication Account & Shared Folder  Maximum local user's account number  Maximum local group number 128  Maximum shared folders number  Maximum shared folders syncing tasks  // ACL Integration  V	cache(BBU-protected)	
File Services File Protocol SMB/AFP/NFS/FTP/SFTP/WebDAV  Maximum Concurrent SMB/AFP/FTP/SFTP 100 Connections Windows Access Control List (ACL) Integration NFS Kerberos Authentication Account & Shared Folder Maximum local user's account number Maximum local group number 128 Maximum shared folders number  Maximum shared folders syncing tasks  2	Shared Folder Snapshot	٧
File Protocol  Maximum Concurrent SMB/AFP/FTP/SFTP SMB/AFP/FTP/SFTP Connections  Windows Access Control List (ACL) Integration NFS Kerberos Authentication Account & Shared Folder Maximum local user's account number Maximum local group number Maximum shared folders number  Maximum shared folders syncing tasks  SMB/AFP/NFS/FTP/SFTP/WebDAV  100  100  100  100  100  100  100  1	LUN Snapshot	/
Maximum Concurrent SMB/AFP/FTP/SFTP Connections Windows Access Control List (ACL) Integration NFS Kerberos Authentication Account & Shared Folder Maximum local user's account number Maximum local group number 128 Maximum shared folders number Maximum shared folders syncing tasks  100  V  100  100  100  100  100  100	File Services	
SMB/AFP/FTP/SFTP Connections  Windows Access Control List (ACL) Integration  NFS Kerberos Authentication  Account & Shared Folder  Maximum local user's account number  Maximum local group number  Maximum shared folders number  Maximum shared folders syncing tasks	File Protocol	SMB/AFP/NFS/FTP/SFTP/WebDAV
Connections  Windows Access Control List (ACL) Integration  NFS Kerberos Authentication  Account & Shared Folder  Maximum local user's account number  Maximum local group number  Maximum shared folders number  Maximum shared folders syncing tasks	Maximum Concurrent	
Windows Access Control List (ACL) Integration  NFS Kerberos Authentication  Account & Shared Folder  Maximum local user's account number  Maximum local group number  Maximum shared folders number  Maximum shared folders syncing tasks	SMB/AFP/FTP/SFTP	100
NFS Kerberos Authentication  Account & Shared Folder  Maximum local user's account number  Maximum local group number  Maximum shared folders number  Maximum shared folders syncing tasks	Connections	
Account & Shared Folder  Maximum local user's account number  Maximum local group number 128  Maximum shared folders number  Maximum shared folders syncing tasks		V
Maximum local user's account number128Maximum local group number128Maximum shared folders number128Maximum shared folders syncing tasks2	NFS Kerberos Authentication	٧
number  Maximum local group number  128  Maximum shared folders number  Maximum shared folders syncing tasks  128  2	Account & Shared Folder	
number  Maximum local group number 128  Maximum shared folders 128  Maximum shared folders 2  syncing tasks	Maximum local user's account	139
Maximum shared folders number  Maximum shared folders syncing tasks  128  2	number	120
number  Maximum shared folders syncing tasks  2	Maximum local group number	128
number  Maximum shared folders syncing tasks  2	Maximum shared folders	128
syncing tasks 2	number	
		2
Backup		



Rsync Backup	٧
Duple Backup	V
Centralized Backup	/
Snapshot	√ √
USB Backup	V
Cloud Sync	√
Time Machine Backup	V
File System Snapshot	V
TFM Backup	√ ·
Networking	
TCP/IP	IPv4/IPv6
Protocols	CIFS/SMB, NFS, FTP, SFTP, HTTPS, SSH, iSCSI, SNMP
Link Aggregation	/
DLNA Compliance	√ √
VPN Client	V
VPN Server	V
Proxy Client	V
Proxy Server	/
UPnP/Bonjour Discovery	<i>'</i>
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	٧
LDAP Client	٧
LDAP Server	/
Security	
Firewall Protection	٧
Account Auto-block Protection	٧
AES Volume and Shared Folder	
Encryption	V
Importable SSL certificate	٧
Instant Alert via email, Desktop	
Notification, Beep	V
RSA 2048 Encryption (TOS 5.0)	V
PAM (Pluggable Authentication Modules)	V
OTP Authentication (TOS 5.0)	٧
on namendation (1033.0)	•



HyperLock File System (TOS	
5.0)	V
Power Management	
Power Resume	V
Scheduled Power On/Off	V
Wake up On LAN(WOL)	V
UPS Supported	V
Administration	
Multi-window, Multi-task	V
System Management	V
Custom Desktop	V
Control Panel	V
Resource Monitor	V
Syslog	V
	English, German, French, Spanish, Italian, Magyar, Chinese,
OS UI Language	Japanese, Korean, Turkish, Portuguese, Russian
	supuriese, Notean, Farkish, Fortagaese, Rassian
Applications	
Application Center	V
iSCSI Target	V
Terra Photos	/
TerraSync	√
Duple Backup	V
CloudSync	V
Centralized Backup	/
USB Backup	V
VPN Server	√
Transmission	V
qBittorent	√
Aria 2	√
Terra Search	1
Deduplication	1
Web Server	√
Clam Antivirus	1
EMBY	V
Multi Media Server	V
Plex Media Server	✓
Docker Manager	✓
Snapshot	V

12



#### TerraMaster Technology Co., Ltd.

2-A1, Building A, Zhangkeng Industrial Park, Minkang Road, Shenzhen China.

Website: <a href="www.terra-master.com">www.terra-master.com</a>
Email: <a href="master.com">sales@terra-master.com</a>

Tel: +86 755 81798555

Copyright@ TerraMaster 2023, All Rights Reserved. TerraMaster, the TerraMaster logo are trademarks or registered trademarks of TerraMaster Technology Co., Ltd. Other product and company names mentioned herein may be trademarks of their respective companies. TerraMaster may make changes to specification and product descriptions at anytime without notice.

Copyright@ TerraMaster 2023, All Right Reserved