



2026 TERRAMASTER PRODUCT SOLUTION GUIDE

2026 TerraMaster Products

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NAS Solution Guide

- ◆ Complete product line includes 2,4,6,8,9,12 bay tower NAS and 4 ,8,12,16 bay rackmount NAS options .
- ◆ Multi-functional network storage and application servers designed for small and medium-sized enterprises and professional users .
- ◆ NAS meet multiple enterprise requirements with their powerful features that support a range of file storage and sharing , data backup and disaster recovery , and authority management protocols .
- ◆ Secure , reliable and scalable advanced TRAIID/TRAIID+ technology and file system encryption technology offers additional protection
- ◆ Cost-effective and high-speed 2.5G , 5G and 10G network storage solutions provide full support for iSCSI virtualization technology .

Enterprise Rackmount NAS-Integrated Backup Server (TerraMaster BBS)

High-performance Intel Xeon rackmount NAS designed for enterprise backup, virtualization, large-scale data protection and business continuity.

U16-725 Plus

16 Bay High Performance Integrated Backup Server

- Intel Xeon D-2733NT 8-Core processor, 16GB ECC DDR4 RAM.
- 16 Bay storage design, supporting up to 480TB capacity.
- 4 x 10GbE network ports with up to 40Gbps throughput.
- 3 x M.2 NVMe SSD slots for cache acceleration.
- Integrated backup solution with BBS, snapshot and disaster recovery.



U12-725 Plus

12 Bay High Performance Integrated Backup Server

- Intel Xeon D-2733NT 8-Core processor, 16GB ECC DDR4 RAM.
- 12 Bay storage design, supporting up to 360TB capacity.
- 4 x 10GbE network ports with up to 40Gbps throughput.
- 3 x M.2 NVMe SSD slots for cache acceleration 450MB/s.
- Integrated backup solution with BBS, snapshot, and disaster recovery.

Enterprise Rackmount NAS-Integrated Backup Server (TerraMaster BBS)

High-performance Intel Xeon rackmount NAS designed for enterprise backup, virtualization, large-scale data protection and business continuity.

U12-725

12 Bay High Performance Integrated Backup Server

- Intel Xeon D-2712T 4-Core processor, 16GB ECC DDR4 RAM.
- 12 Bay storage design, supporting up to 360TB capacity.
- 4 x 10GbE network ports with up to 40Gbps throughput.
- 3 x M.2 NVMe SSD slots for cache acceleration.
- Integrated backup solution with BBS, snapshot, and disaster recovery.



U8-725

8 Bay High Performance Integrated Backup Server

- Intel Xeon D-2712T 4-Core processor, 16GB ECC DDR4 RAM.
- 8 Bay storage design, supporting up to 240TB capacity.
- 4 x 10GbE network ports with up to 40Gbps throughput.
- 3 x M.2 NVMe SSD slots for cache acceleration.
- Integrated backup solution with BBS, snapshot, and disaster recovery.



High Performance Rackmount NAS - Integrated Backup Server (TerraMaster BBS)

Highly scalable Intel Core i7/i3 NAS designed for Virtualization , data-intensive applications and service continuity for large scale businesses .

U12-500 Plus

12 Bay High Performance Rackmount NAS

- Intel Core i7 1255U 10 Cores 12 Threads CPU , 16GB RAM.
- 10 Gigabit Ethernet Port x 2.
- M.2 NVMe SSD Cache support.
- Sequential write speeds up to 2090MB/s and 4K random read/write speeds up to 450MB/s.



U8-500 Plus

8 Bay High Performance Rackmount NAS

- Intel Core i7 1255U 10 Cores 12 Threads CPU , 16GB RAM.
- 10 Gigabit Ethernet Port x 2.
- M.2 NVMe SSD Cache support.
- Sequential write speeds up to 2090MB/s and 4K random read/write speeds up to 450MB/s.



U4-500

4 Bay High Performance Rackmount NAS

- Intel i3-1215U 6 Cores 8 Threads CPU , 8GB RAM.
- 10 Gigabit Ethernet Port x 2.
- M.2 NVMe SSD Cache support.
- Sequential write speeds up to 2090MB/s and 4K random read/write speeds up to 450MB/s.



T Series Medium Business NAS

High performance storage solutions for business , engineered for reliability .

T12-500 Pro

12 Bay High Performance Tower NAS

- Intel Core i7 1255U 10 Cores 12 Threads CPU , 16GB RAM.
- 10 Gigabit Ethernet Port x 2.
- M.2 NVMe SSD Cache support.
- Sequential write speeds up to 2090MB/s and 4K random read/write speeds up to 450MB/s.



T9-500 Pro

9 Bay High Performance Tower NAS

- Intel Core i7 1255U 10 Cores 12 Threads CPU , 16GB RAM.
- 10 Gigabit Ethernet Port x 2.
- M.2 NVMe SSD Cache support.
- Sequential write speeds up to 2090MB/s and 4K random read/write speeds up to 450MB/s.

F Series Hybrid High-Performance NAS for SMB

AI-powered private cloud storage with high-speed connectivity and enterprise-grade data protection.

F6-425 Pro

6+3 Bay Hybrid High-Performance NAS

- Intel Core i3-1315U 6-Core processor, 8GB DDR5 RAM (expandable to 64GB).
- 6+3 Bay storage design, supporting up to 180TB capacity.
- 3 x M.2 NVMe SSD slots for cache acceleration.
- Dual 10GbE ports delivering up to 20Gbps high-speed connectivity to 400MB/s.
- Dual Thunderbolt™ 4 ports delivering up to 40Gbps ultra-fast data transfer.
- TOS 7 AI-Native OS with intelligent backup, snapshot and multi-layered security.



F4-425 Pro

4+3 Bay Hybrid High-Performance NAS

- Intel N305 8-Core processor, 8GB RAM (expandable to 32GB).
- 4+3 Bay storage design, supporting up to 120TB capacity.
- 3 x M.2 NVMe SSD slots for cache acceleration.
- Dual 5GbE ports with up to 10Gbps aggregated throughput.
- TOS 7 AI-Native OS with intelligent backup, snapshot and multi-layered security.



F Series Hybrid NAS for Home & Small Business

AI-powered personal cloud storage with high-speed connectivity, 8K multimedia support, and reliable data protection.

F4-425 Plus

4+3 Bay Hybrid NAS

- Intel N95 Quad-Core processor with 8GB RAM (expandable up to 32GB).
- 4+3 Bay hybrid storage design supporting up to 120TB capacity.
- 3 x M.2 NVMe SSD slots for cache acceleration.
- Dual 5GbE ports delivering up to 10Gbps aggregated throughput.
- TOS with AI photo management, backup solutions, and multi-layered security.



F2-425 Plus

2+3 Bay Hybrid NAS

- Intel N95 Quad-Core processor with 8GB RAM (expandable up to 32GB).
- 2+3 Bay hybrid storage design supporting up to 60TB capacity.
- 3 x M.2 NVMe SSD slots for cache acceleration.
- Dual 5GbE ports delivering up to 10Gbps aggregated throughput.
- TOS with AI photo management, backup solutions, and multi-layered security.

F Series Personal / Home NAS

Private cloud solution designed for easy data management , secure sharing and more .

F6-424

6 Bay NAS for home multimedia center and small office applications

- Intel N95 Quad Cores CPU , 8GB RAM.
- 2.5 Gigabit Ethernet Port x2.
- M.2 NVMe SSD Cache support.
- Linear data transmission speed can reach 283 MB/s.



F4-425

4 Bay NAS for home multimedia center and small office applications

- Intel N5095 Quad Core CPU , 4GB RAM .
- 2.5Gigabit Ethernet Port x1 ; 10Gbps USB Port x2 ; 5Gbps USB Port x1.
- Support hardware-level 4K H.265 decoding , can smooth HD video playback.
- Support initialize setup via the TNAS Mobile app without a PC.



F2-425

2 Bay NAS for home multimedia center and small office applications

- Intel N5095 Quad Core CPU , 4GB RAM.
- 2.5Gigabit Ethernet Port x1 ; 10Gbps USB Port x2 ; 5Gbps USB Port x1.
- Support hardware-level 4K H.265 decoding , can smooth HD video playback.
- Support initialize setup via the TNAS Mobile app without a PC.



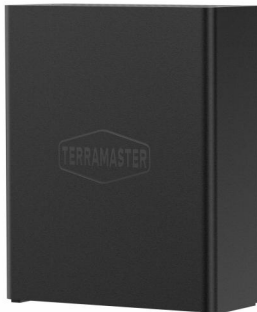
All M.2 SSD NAS

Provides small business users with exceptional performance for virtualization, databases, and websites .

F8 SSD Plus

8-Bay Palm-Sized Full SSD NAS

- Intel Core i3 N305 8-Core 8 Threads CPU , 16GB RAM.
- 10 Gigabit Ethernet Port x 1.
- Noise level is virtually imperceptible (< 19dB).
- Linear read-write speeds peaking at 1020MB/s and 4K random read-write speeds approaching 300MB/s.



F8 SSD

8-Bay Palm-Sized Full SSD NAS

- Intel N95 Quad Core 4 Threads CPU , 8GB RAM.
- 10 Gigabit Ethernet Port x 1.
- Noise level is virtually imperceptible (< 19dB) .
- Linear read-write speeds peaking at 1020MB/s and 4K random read-write speeds approaching 300MB/s.

F4 SSD

4-Bay Palm-Sized Full SSD NAS

- Intel N95 Quad Core 4 Threads CPU , 8GB RAM.
- 5 Gigabit Ethernet Port x 1.
- Noise level is virtually imperceptible (< 19dB).





DAS Solution Guide

- ◆ Complete product line features 1,2,4,5,6,8,9 bay tower and rackmount USB storage.
- ◆ Multi-functional and directly attached high-speed storage array series designed for small and medium-sized enterprises and professional users.
- ◆ High-capacity storage space , high-speed data transmission interfaces , and multiple security protection systems.
- ◆ Safe , reliable and scalable professional RAID storage devices to meet the diverse needs of customers .

USB 3.2 Enterprise DAS Storage Series (No RAID)

High-speed, high-capacity direct-attached storage for business-critical data expansion.

D4-320U

USB 3.2 RAID Storage Series

- USB 3.2 Gen 2 interface speeds up to 10Gbps . Achieves actual read/write speeds up to 1016MB/s .
- Support 30TB HDD Capacity up to 120TB , expandable .
- Compatible with Windows , Mac and Linux OS . No drivers needed .
- Connect to TerraMaster NAS devices via USB to expand NAS Storage .



D9-320

9-Bay USB 3.2 Gen 2 Storage

- USB 3.2 Gen 2 interface speeds up to 10Gbps . Achieves actual read/write speeds up to 1016MB/s.
- Support 30TB HDD Capacity up to 270TB , expandable.
- Compatible with Windows , Mac and Linux OS . No drivers needed .
- Connect to TerraMaster NAS devices via USB to expand NAS Storage.

D6-320

6-Bay USB3.2 Gen2 Storage

- USB 3.2 Gen2 interface speeds up to 10Gbps
Achieves actual read/write speeds up to 1016MB/s.
- Supports 30TB HDD capacity up to 180TB, expandable.
- Compatible with Windows, Mac, and Linux machines. No drivers needed.
- Connect to TerraMaster NAS devices via USB to expand NAS Storage.



USB 3.2 Hybrid DAS Storage Series with SSD Caching

High-speed USB 3.2 storage that combines M.2 SSD performance with massive HDD capacity for intelligent data tiering.

D8 Hybrid 2

8-Bay (4 HDD + 4 M.2 SSD) Hybrid Storage Enclosure

- USB 3.2 Gen 2 up to 10Gbps, read speeds up to 1,020MB/s (NVMe).
- Massive hybrid capacity up to 152TB (4 x 30TB HDD + 4 x 8TB NVMe SSD).
- Hot/cold data tiering — NVMe for speed, HDD for archive.
- TPM power management for energy efficiency.
- Plug-and-play, no drivers needed (Windows/Mac/Linux).



D5 Hybrid

5-Bay (2 HDD + 3 M.2 SSD) Hybrid RAID Enclosure

- USB 3.2 Gen 2 up to 10Gbps, read speeds up to 980MB/s (NVMe).
- Hybrid capacity up to 88TB (2x32TB HDD + 3x8TB M.2 SSD).
- Hardware RAID 0/1, JBOD, Single for SATA bays; M.2 bays in single mode.
- Tool-free Push-Lock drive trays, silent 19dB smart fan.
- USB-C with broad compatibility (Windows/Mac/Linux/Thunderbolt 3/4).

USB 3.2 DAS for Home & SOHO

USB 3.2 high-speed storage solutions fully compatible with the USB Protocol, and can be used with any computer, TV server, NAS, set-top box and other device.

D4-320

4-Bay USB 3.2 Storage Expansion

- USB 3.2 Gen 2 up to 10Gbps, read/write speeds up to 1,016MB/s.
- Supports up to 128TB capacity (32TB x 4).
- 4 independent disks, no RAID, plug-and-play, Hot-swappable.
- Compatible with Windows/Mac/Linux.
- Can expand TerraMaster NAS storage.



D2-320

2-Bay RAID Storage

- USB 3.2 Gen 2 up to 10Gbps, read/write speeds up to 1,075MB/s (SSD RAID 0).
- Supports up to 64TB capacity (32TB x 2).
- Hardware RAID 0/1, JBOD, Single.
- Plug-and-play, no drivers needed (Windows/Mac/Linux).
- Can expand TerraMaster NAS storage.

D1 SSD

Single-Bay Rugged NVMe SSD Enclosure

- USB 3.2 Gen 2 up to 10Gbps, read/write speeds up to 1,020MB/s.
- Supports M.2 NVMe SSD up to 8TB (PCIe 3.0/4.0/5.0).
- IP67 waterproof/dustproof, withstands 1.2-ton crushing, 1.5m drop.
- Plug-and-play, no drivers needed (Windows/Mac/Linux).
- TDAS App for one-tap mobile photo backup



USB 4 Storage Series(NO RAID)

M.2 SSD Enclosure with the USB 4 protocol can be used for media creators and NAS expansion

D4 SSD

4-Bay USB 4 40Gbps M.2 SSD Storage

- USB 4 interface speeds up to 40Gbps . Read/write speeds can up to 3257MB/s.
- Support capacity up to 32TB.
- Compatible with Windows , Mac and Linux OS . No drivers needed .
- Connect to TerraMaster NAS devices via USB to expand NAS Storage.



D1 SSD Plus

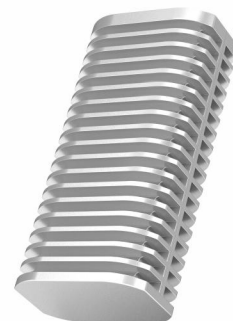
1-Bay USB 4 40Gbps M.2 SSD Storage

- USB 4 interface speeds up to 40Gbps . Read/write speeds can up to 3498MB/s.
- Support capacity up to 8TB.
- Compatible with Windows , Mac and Linux OS . No drivers needed .
- Connect to TerraMaster NAS devices via USB to expand NAS Storage.

D1 SSD Pro

80Gbps Thunderbolt 5 NVMe SSD Enclosure

- Thunderbolt 5 up to 80Gbps, read/write speeds up to 7,061/6,816 MB/s.
- Supports M.2 NVMe SSD up to 8TB (PCIe Gen 3/4/5).
- Compatible with Thunderbolt 5/4/3, USB4/3.2, macOS/Windows/Linux.
- Includes carrying case and TPC Backupper backup software.
- Connect to TerraMaster NAS device via USB to expand NAS storage





ABOUT TERRAMASTER

TerraMaster is a professional brand which focuses on storage products, including network attached storage and direct attached storage, which is sold in more than 60 countries and regions. Products of TerraMaster are mainly designed for customers such as small and medium businesses and home users. With its core competitiveness in excellent hardware design and strong software developing ability, TerraMaster aims to provide customers with excellent products that offer reliability and value.

TerraMaster has focused on the development of storage technology for many years. TerraMaster continues to explore storage technology and applications, such as how to create more functionality and value to storage products and make storage application easier, more convenient, safer and faster to provide customers with a complete, reliable and trusted data storage solution.



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