TrueNAS Mini

Compact, Quiet, and Powerful.

www.truenas.com

Contact Us: +1 (866) TRUENAS

Features

Enterprise-Class Storage in a Compact Form Factor
Supports up to 12 drives and 200+ TB of raw capacity with ECC memory, IPMI remote management, and ultra-quiet chassis design.

Powered by TrueNAS with ZFS
Runs the world's leading open source storage OS, offering unlimited snapshots, checksums, copy-on-write protection, and multi-platform file sharing.

High-Speed Connectivity and Expandability
Standard 10 GbE support ensures seamless performance for media editing, backups, and virtualization.

Cloud & App Integration
Sync and backup with major cloud providers like AWS, Google, Azure, and Backblaze. Extend functionality with VMs, Docker, LXC and third-party Apps.

Benefits

Professional Reliability for Home and Office
Delivers professional-grade data protection and uptime with the same core features found in enterprise systems.

Versatile and Future-Ready
Easily adapts to a wide range of use cases including media hosting, surveillance, private cloud, virtualization, and more.

Simple, Silent, and Energy-Efficient
Quiet enough for a desk or studio, with 80 PLUS power efficiency and tool-less drive bays for easy setup and operation.

Mini But Mighty Storage

Bring enterprise data storage into your home or office with the TrueNAS Mini Series. Designed for professionals, creators, and IT enthusiasts, the TrueNAS Mini combines powerful performance with the legendary reliability of TrueNAS. Whether you're running a media lab, managing backups, or safeguarding irreplaceable data, the TrueNAS Mini delivers unmatched capabilities in a small and quiet footprint.

With support for up to 12 drives and over 200 TB of raw storage, the Mini handles intensive workloads effortlessly. It features ECC memory, IPMI remote management, and ultra-efficient 80 PLUS power supplies for rock-solid reliability. With Gigabit and 10 GbE networking, you get fast, lag-free access for multiple users - perfect for video editing, backups, or real-time data collaboration.

Powered by TrueNAS, the world's #1 open source storage OS, the Mini offers advanced ZFS file protection with unlimited snapshots, bit-rot defense, and seamless file sharing across Windows, macOS, Linux, and virtual environments. Built-in cloud sync, VM and app support, and compatibility with major cloud providers like AWS, Google Cloud, StorJ, and Backblaze make the TrueNAS Mini the most versatile and reliable storage system in its class.

For direct Mini purchases, please visit our Amazon store.

TrueNAS
OPEN ENTERPRISE STORAGE

TrueNAS Mini Models

	TrueNAS Mini X+	**TrueNAS Mini R**
Chassis	5+2 Bay Enclosure - Super Quiet Design	12 Bay Enclosure - Super Quiet Design
Drive Bays*	5 x SATA 3.5" Hot-Swappable Drive Bays (Optional 3.5" to 2.5" adaptors available) 2 x SATA 2.5" Hot-Swappable SSD Bays	12 x SATA 3.5" Hot-Swappable Drive Bays (Optional 3.5" to 2.5" adaptors available)
Maximum Raw Capacity	Up to 110 TB	Up to 264 TB
CPU	Octa-core C3758 Intel® CPU	Octa-core C3758 Intel® CPU
Memory	32 GB DDR4 with ECC (Upgradeable to 64 GB)	
RAID	OpenZFS – RAIDZ1 (RAID 5), RAIDZ2 (RAID 6), Multi-Disk Mirror (RAID 10), and Stripe (RAID 0)	
Disk Management	Hot-Swappable Drives, Bad Block Scan + HDD S.M.A.R.T Hardware-Accelerated Disk Encryption, Enclosure Management with Disk Identification	
Network	Standard: 2 x RJ45 1/10GBaseT Ethernet LAN ports Dedicated RJ45 IPMI Port (Remote Hardware Management) 2 x SFP+ 10G Add On Card (Optional)	
Video	VGA Connector and iKVM HTML5 via IPMI	
USB Ports	1 x USB 3.0 Port (Front) 1 x USB 2.0 Port (Front) 2 x USB 2.0 Ports (Rear)	1 x USB 3.0 Port (Rear) 2 x USB 2.0 Ports (Rear)
Read/Write Cache	(Optional) Boost performance by adding a dedicated, high-performance read cache (L2ARC) or by adding a dedicated, high-performance write cache (ZIL/SLOG)	
PCIe Expansion	1 x PCI Express 3.0 × 4	
Power	100V to 240V AC, 50/60 HZ, Single Phase, C14 Power Socket, NEMA 5-15P to C13 Power Cord	
Power Consumption* (Maximum)	Diskless: 40W With drives & 10G Add-on-card: 111W	Diskless: 63W, With drives & 10G Add-on-card: 167W
Power Management	Remote Power-On/Off (IPMI), UPS Signal Response and Alerts	
User Control Interface	Web Browser and Remote Hardware Management (IPMI)	
Dimensions (WxDxH)	8.25" x 10.5" x 9.5" (210 × 267 × 241 mm)	17.2" x 21" x 3.5" (437 × 533 × 89 mm)
Weight (no drives)	13lbs / 5.9Kg	18.7lbs / 8.5Kg
Limited Warranty	1-Year Warranty Included. Optional 3-Year Warranty purchasable. Software Warranty requires registration at portal.truenas.com	
Accessories	Basic Setup Guide, 2x Case Door Keys, bag of HDD screws, 2× 7 ft cat6 copper cable	Basic Setup Guide, x Bezel Keys, bag of HDD screws, 2× 7 ft cat6 copper cable, Bezel, 4x Rubber Feet, Short Rail Kit (19" - 26.6" rack mount depth), Optional: Long Rail Kit (26.5" - 36.4" rack mount depth)

*To maintain low system temperatures, noise, and drive failure rates, use drives designed for NAS systems (e.g. - WD Red™ Plus) that operate at less than 7W.

TrueNAS Community Edition Specifications

Storage Protocols
- CIFSv1, SMBv2, SMBv3
- FTP and SFTP
- iSCSI
- NFS v3, v4
- S3-Compatible Object API
- WebDAV

Directory Services
- Active Directory (AD)
- Lightweight Directory Access Protocol (LDAP)
- Network Information Services (NIS)
- Kerberos

Networking
- NIC Teaming and Failover with 802.3ad Link Aggregation
- VLAN and Port Trunking Support
- DHCP, DNS
- IPv4, IPv6, VPNs

ZFS File System
- Intelligent in-line Compression
- Snapshots and Clones
- Thin Provisioning
- Bit Rot Correction
- Data Encryption
- Online Capacity Expansion
- Virtual Block Devices
- ZFS Stripe, ZFS Mirror, and Single, Double or Triple-Parity
- In-line Deduplication

Remote Administration
- HTTP/HTTPS Web Interface
- Email Alert Configuration
- Remote Syslog Client
- Backup & Restore System Settings
- Restore to Factory Default
- Resource Monitor
- Log and Event Collection
- Automatic Online Updates
- SNMP Server/MIB
- REST API

Backup
- OpenZFS Remote Replication
- Rsync to Linux/Windows
- Microsoft Windows Backup
- Apple Time Machine
- TrueOS Life Preserver
- Cloud sync with Amazon AWS, Google Cloud, Microsoft Azure, Backblaze, Dropbox, and more
- Globally Distributed Storage

Virtual Machines
- KVM Hypervisor
- Linux, Windows, FreeBSD guests
- Virtual Bridging
- PCIe, USB Pass-through
- CPU/RAM Assignment

TrueCommand Management
- Single Pane of Glass
- Multi-system Monitoring and Reporting
- Fault Managements
- Long-term Statistics
- Cloud or On-Prem deployment

Apps
- Linux and Docker Containers
- Official and Community Catalogs
- GPU Sharing
- VPN, Load Balancing

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