



## Data Sheet

# TrueNAS Mini

Compact, Quiet, and Powerful



## 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 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, and Azure. 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 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 workloads effortlessly. It features ECC memory, IPMI remote management, and 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 and Google Cloud make the TrueNAS Mini the most versatile and reliable storage system in its class.

For direct Mini purchases, please [visit our Amazon store](#).

## TrueNAS Mini Models



### TrueNAS Mini X+

### TrueNAS Mini R

<b>Chassis</b>	5+2 Bay Enclosure - Quiet Design	12 Bay Enclosure - Quiet Design
<b>Drive Bays*</b>	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)
<b>Maximum Raw Capacity</b>	Up to 110 TB	Up to 264 TB
<b>CPU</b>	Octa-core C3758 Intel® CPU	
<b>Memory</b>	32 GB DDR4 with ECC (Upgradeable to 64 GB)	
<b>RAID</b>	OpenZFS – RAIDZ1 (RAID 5), RAIDZ2 (RAID 6), Multi-Disk Mirror (RAID 10), and Stripe (RAID 0)	
<b>Disk Management</b>	Hot-Swappable Drives, Bad Block Scan + HDD S.M.A.R.T Hardware-Accelerated Disk Encryption, Enclosure Management with Disk Identification	
<b>Network</b>	Standard: 2 x RJ45 1/10GBaseT Ethernet LAN ports Dedicated RJ45 IPMI Port (Remote Hardware Management) 2 x SFP+ 10G Add On Card (Optional)	
<b>Video</b>	VGA Connector and iKVM HTML5 via IPMI	
<b>USB Ports</b>	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)
<b>Read/Write Cache</b>	(Optional) Boost performance by adding a dedicated, high-performance read cache (L2ARC) or by adding a dedicated, high-performance write cache (ZIL/SLOG)	
<b>PCIe Expansion</b>	1 x PCI Express 3.0 x 4	
<b>Power</b>	100V to 240V AC, 50/60 HZ, Single Phase, C14 Power Socket, NEMA 5-15P to C13 Power Cord	
<b>Power Consumption (Maximum)</b>	Diskless: 40W With drives & 10G Add-on-card: 111W	Diskless: 63W, With drives & 10G Add-on-card: 167W
<b>Power Management</b>	Remote Power-On/Off (IPMI), UPS Signal Response and Alerts	
<b>User Control Interface</b>	Web Browser and Remote Hardware Management (IPMI)	
<b>Dimensions (WxDxH)</b>	9.45 in x 8.27 in x 11 in (240 mm x 210 mm x 279.4 mm)	3.43 in x 17.2 in x 25.5 in (87 mm x 438 mm x 647.7 mm)
<b>Weight (no drives)</b>	13lbs / 5.9kg	18.7lbs / 8.5kg
<b>Limited Warranty</b>	1-Year Warranty Included. Optional 3-Year Support purchasable. Software Warranty requires registration at <a href="https://portal.truenas.com">portal.truenas.com</a>	
<b>Accessories</b>	Basic Setup Guide, Case Door Keys, bag of HDD screws, bag of SSD screws, 2x 7 ft cat6 copper cable	Basic Setup Guide, Case Door Keys, bag of HDD screws, 2x 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)

## TrueNAS Community Edition Specifications

Storage Protocols	Directory Services	Networking
<ul style="list-style-type: none"> <li>CIFSv1, SMBv2, SMBv3</li> <li>FTP and SFTP</li> <li>iSCSI</li> <li>NFS v3, v4</li> <li>S3-Compatible Object API</li> <li>WebDAV</li> </ul>	<ul style="list-style-type: none"> <li>Active Directory (AD)</li> <li>Lightweight Directory Access Protocol (LDAP)</li> <li>Network Information Services (NIS)</li> <li>Kerberos</li> </ul>	<ul style="list-style-type: none"> <li>NIC Teaming and Failover with 802.3ad Link Aggregation</li> <li>VLAN and Port Trunking Support</li> <li>DHCP, DNS</li> <li>IPv4, IPv6, VPNs</li> </ul>
ZFS File System	Remote Administration	Backup
<ul style="list-style-type: none"> <li>Intelligent in-line Compression</li> <li>Snapshots and Clones</li> <li>Thin Provisioning</li> <li>Bit Rot Correction</li> <li>Data Encryption</li> <li>Online Capacity Expansion</li> <li>Virtual Block Devices</li> <li>ZFS Stripe, ZFS Mirror, and Single, Double or Triple-Parity</li> <li>In-line Deduplication</li> </ul>	<ul style="list-style-type: none"> <li>HTTP/HTTPS Web Interface</li> <li>Email Alert Configuration</li> <li>Remote Syslog Client</li> <li>Backup &amp; Restore System Settings</li> <li>Restore to Factory Default</li> <li>Resource Monitor</li> <li>Log and Event Collection</li> <li>Automatic Online Updates</li> <li>SNMP Server/MIB</li> <li>REST API</li> </ul>	<ul style="list-style-type: none"> <li>OpenZFS Remote Replication</li> <li>Rsync to Linux/Windows</li> <li>Microsoft Windows Backup</li> <li>Apple Time Machine</li> <li>TrueOS Life Preserver</li> <li>Cloud sync with Amazon AWS, Google Cloud, Microsoft Azure, Backblaze, Dropbox, and more</li> <li>Globally Distributed Storage</li> </ul>
Virtual Machines	TrueCommand Management	Apps
<ul style="list-style-type: none"> <li>KVM Hypervisor</li> <li>Linux, Windows, FreeBSD guests</li> <li>Virtual Bridging</li> <li>PCIe, USB Pass-through</li> <li>CPU/RAM Assignment</li> </ul>	<ul style="list-style-type: none"> <li>Single Pane of Glass</li> <li>Multi-system Monitoring and Reporting</li> <li>Fault Managements</li> <li>Long-term Statistics</li> <li>Cloud or On-Prem deployment</li> </ul>	<ul style="list-style-type: none"> <li>Linux and Docker Containers</li> <li>Official and Community Catalogs</li> <li>GPU Sharing</li> <li>VPN, Load Balancing</li> </ul>

Enterprise support is available for Minis when purchased as part of a larger solution. Contact [sales@truenas.com](mailto:sales@truenas.com) for more information.

