MINI BUT MIGHTY STORAGE

The FreeNAS Mini is a compact yet powerful Network Attached Storage (NAS) system that allows you to bring enterprise-class data protection and storage capabilities to the home or office. Despite its small stature, the FreeNAS Mini is serious storage for those that are serious about keeping their data safe.

File Protection and Sharing

Running the world's number one Open Source storage OS, FreeNAS, the FreeNAS Minis come with all the features you demand. FreeNAS uses the copy-on-write ZFS file system with unlimited snapshots and checksums that ensures against bit-rot and data loss. Supporting Windows, macOS, Linux, FreeBSD clients, major hypervisors, and even object storage, users have a near limitless number of ways to share and protect their data.

Cloud and Remote backup

Sync, archive, or backup data to or from your cloud service of choice. FreeNAS supports all major cloud-based storage providers, such as Amazon, Azure, Google Cloud, BackBlaze, and Dropbox. Alternatively, FreeNAS systems can replicate data with one another or even archive with a TrueNAS system for larger deployments.

Plugins, Jails and VMs

Choose from a suite of free Plugins that extend the functionality of your FreeNAS Mini and fill a variety of needs from shared media hosting to private cloud management. Plugins like Plex Media Server, NextCloud, Crashplan, and ZoneMinder help stream media, share files, automate extensive backup plans, and even allow control over IP cameras for surveillance.

Commercial Grade Hardware

Chassis are designed for ultra-quiet functionality to fit in any environment, whether its an office space, data center, or library. The FreeNAS Mini comes standard with WD Red™ drives, the preferred drive of FreeNAS. WD Red™ disk drives are well-known among the iXsystems Community Forum as the very best hard drives for FreeNAS builds because of their legendary quality and stability. Regardless of your data, the FreeNAS Mini series saves it.

1-855-GREP-4-IX (US) | 1-408-943-4100 (Non-US)
www.iXsystems.com/freenas-mini or purchase on Amazon.
## FEATURES

<table>
<thead>
<tr>
<th></th>
<th>FREENAS MINI E</th>
<th>FREENAS MINI</th>
<th>FREENAS MINI XL</th>
<th>FREENAS MINI XL+</th>
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</thead>
<tbody>
<tr>
<td><strong>Chassis</strong></td>
<td>4 Bay Enclosure - Super Quiet Design</td>
<td>4 Bay Enclosure - Super Quiet Design</td>
<td>8 Bay Enclosure - Super Quiet Design</td>
<td>8+1 Bay Enclosure - Super Quiet Design</td>
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<tr>
<td><strong>Hard Drive Bays</strong></td>
<td>4 x SATA 3.5” Hot-Swappable Drive Bays 2 x SATA 2.5” Internal SSD Bays</td>
<td>8 x SATA 3.5” Hot-Swappable Drive Bays 2 x SATA 2.5” Internal SSD Bays</td>
<td>8 x SATA 3.5” Hot-Swappable Drive Bays 1 x SATA 2.5” Hot-Swappable SSD Bay 1x SATA 2.5” Internal SSD Bay</td>
<td>8 x SATA 3.5” Hot-Swappable Drive Bays 1 x SATA 2.5” Hot-Swappable SSD Bay</td>
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<tr>
<td><strong>Maximum Capacity</strong></td>
<td>Up to 40 TB depending on RAID layout</td>
<td>Up to 80 TB depending on RAID layout</td>
<td>8.25” x 11.2” x 9.5” / 210 x 284 x 241mm</td>
<td>23.15lb / 10.5Kg</td>
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<tr>
<td><strong>CPU</strong></td>
<td>Dual-core C3338 Intel CPU</td>
<td>Octa-core C2750 Intel CPU</td>
<td>Octa-core C2750 Intel CPU</td>
<td>Octa-core C3758 Intel CPU</td>
</tr>
<tr>
<td><strong>Memory</strong></td>
<td>8 GB DDR4 with ECC</td>
<td>16 GB DDR3 with ECC</td>
<td>32 GB DDR3 with ECC</td>
<td>32 GB DDR4 with ECC</td>
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<tr>
<td><strong>RAID</strong></td>
<td>Standard: 4 x 1 Gigabit Ethernet LAN ports (10/100/1000) Dedicated RJ45 IPMI Port (Remote Hardware Management)</td>
<td>Standard: 2 x 1 Gigabit Ethernet Ports (10/100/1000) Dedicated RJ45 IPMI Port (Remote Hardware Management) Optional: Dual-Port 10Gb upgrade via PCIe Card</td>
<td>Standard: 2 x RJ45 10GbE BaseT Ethernet LAN ports Dedicated RJ45 IPMI Port (Remote Hardware Management) Optional: Dual-Port 10Gb upgrade via PCIe Card</td>
<td>Standard: 2 x RJ45 10GbBaseT Ethernet LAN ports Dedicated RJ45 IPMI Port (Remote Hardware Management)</td>
</tr>
<tr>
<td><strong>Disk Management</strong></td>
<td>Hot-Swappable Drives, Bad Block Scan + HDD S.M.A.R.T ISO Mounting Support, Hardware-Accelerated Disk Encryption</td>
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<td></td>
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<tr>
<td><strong>Network</strong></td>
<td>2 x USB 2.0 Ports (Front) 1 x USB 3.0 Port (Rear)</td>
<td>2 x USB 2.0 Ports (Front) 1 x USB 2.0 Port (Rear)</td>
<td>1 x USB 3.0 Port (Front) 1 x USB 2.0 Port (Front) 2 x USB 2.0 Ports (Rear)</td>
<td>1 x USB 3.0 Port (Front) 1 x USB 2.0 Port (Front) 2 x USB 2.0 Ports (Rear)</td>
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<tr>
<td><strong>USB Ports</strong></td>
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<tr>
<td><strong>Power Supply</strong></td>
<td>100V to 240V AC, 50/60 Hz, Single Phase</td>
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<tr>
<td><strong>User Control</strong></td>
<td>Web Browser and Remote Hardware Management (IPMI)</td>
<td></td>
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<tr>
<td><strong>User Interface</strong></td>
<td></td>
<td></td>
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<tr>
<td><strong>Dimension (WxDxH)</strong></td>
<td>8.25” x 11.2” x 9.5” / 210 x 284 x 241mm</td>
<td>8.4” x 11” x 15.1” / 213 x 279 x 384mm</td>
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<tr>
<td><strong>Limited Warranty</strong></td>
<td>1 Year Standard</td>
<td></td>
<td></td>
<td>3 year Option Available</td>
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<tr>
<td><strong>Weight (no drives)</strong></td>
<td>10.8lb / 4.9Kg</td>
<td>10.8lb / 4.9Kg</td>
<td>23.15lb / 10.5Kg</td>
<td>23.15lb / 10.5Kg</td>
</tr>
</tbody>
</table>

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

## SOFTWARE FEATURES & SERVICES

### PROTOCOLS
- AFP
- CIFSv1, SMBv2, SMBv3-
- FTP and SFTP
- iSCSI
- NFS v3, v4
- S3- and S3-Compatible Object API
- WebDAV

### DIRECTORY SERVICES
- Active Directory (AD)
- Lightweight Directory Access Protocol (LDAP)
- Network Information Service (NIS)
- Open Directory

### NETWORKING
- NIC Failover
- Port Trunking/NIC Teaming and IEEE 802.3ad Link Aggregation
- VLAN Support
- DHCP client, DHCP Server

### FILESYSTEM
- Intelligent in-line Compression
- Snapshots and Clones
- Thin Provisioning
- Bit-rot Detection and Correction
- Online Capacity Expansion
- Virtual Block Devices
- ZFS Stripe (RAID 0), ZFS Mirror (RAID 1, RAID 1+0), RAIDZ1 (RAID 5), RAIDZ2 (RAID 6)

### REMOTE ADMINISTRATION
- HTTP/HTTPS Web Interface
- Email Alert Configuration
- Remote Syslog Client
- Backup & Restore System Settings and State
- Restore to Factory Default
- Resource Monitor
- Log and Event Collection
- Automatic Online Updates
- SNMP Server/MIB
- IPMI Remote Console and Power Management
- REST API

### BACKUP
- OpenZFS Remote Replication
- Rsync
- Microsoft Windows Backup
- Apple Time Machine
- TrueOS® Life Preserver
- Cloud sync with Amazon AWS, Google Cloud, Microsoft Azure, Backblaze, Dropbox, and more

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