

FREENAS® MINI STORAGE DEVICES



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 [Western Digital disk drives \(CMR\)](#), the preferred drives of FreeNAS. Western Digital disk drives are well-known among the iXsystems Community Forum as a favorite 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.

High Performance

Choose four or eight drives for up to 80 TB of raw storage capacity. Enjoy lag-free streaming of Full-HD content to multiple editors with Gigabit and 10 GbE connectivity.

Coupled with enterprise-class features such as Error Correcting Code (ECC) memory, Intelligent Platform Management Interface (IPMI) remote management, and efficient 80-PLUS power supplies, the FreeNAS Mini Series offers a lot while maintaining a small form factor.



| FEATURES | FREENAS MINI E | FREENAS MINI E+ | FREENAS MINI XL+ |
|------------------------------|---|---|--|
| Chassis | 4 Bay Enclosure - Super Quiet Design | | 8+1 Bay Enclosure - Super Quiet Design |
| Hard Drive Bays* | 4 x SATA 3.5" Hot-Swappable Drive Bays 2 x SATA 2.5" Internal SSD Bays | | 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 |
| Maximum Capacity | Up to 40 TB depending on RAID layout | | Up to 80 TB depending on RAID layout |
| CPU | Dual-core C3338 Intel CPU | Quad-core C3558 Intel CPU | Octa-core C3758 Intel CPU |
| Memory | 8 GB DDR4 with ECC | 16 GB DDR4 with ECC | 32 GB DDR4 with ECC |
| RAID | OpenZFS - RAIDZ1 (RAID 5), RAIDZ2 (RAID 6), Multi-Disk Mirror (RAID 10), and RAID0 (stripe) | | |
| Disk Management | Hot-Swappable Drives, Bad Block Scan + HDD S.M.A.R.T ISO Mounting Support, Hardware-Accelerated Disk Encryption | | |
| Network | Standard: 4 x 1 Gigabit Ethernet LAN ports (10/100/1000) Dedicated RJ45 IPMI Port (Remote Hardware Management) | | Standard: 2 x RJ45 10GbBaseT Ethernet LAN ports Dedicated RJ45 IPMI Port (Remote Hardware Management) |
| USB Ports | 2 x USB 2.0 Ports (Front) 1 x USB 3.0 Port (Rear) | | 1 x USB 3.0 Port (Front) 1 x USB 2.0 Port (Front) 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 | N/A | | 1 x PCI Express 3.0 x4 |
| Power Supply | 100V to 240V AC, 50/60 HZ, Single Phase | | |
| Power Consumption* (Maximum) | Diskless: 16.5W, With drives: 56.5W | Diskless: 24.5W, With drives: 65W | Diskless: 34W, With drives & 10GbE: 101W |
| Power Management | Remote Power-On/Off (IPMI), UPS Signal Response and Alerts | | |
| User Control Interface | Web Browser and Remote Hardware Management (IPMI) | | |
| Dimension (WxDxH) | 8.25" x 11.2" x 9.5" / 210 x 284 x 241mm | | 8.4" x 11" x 15.1" / 213 x 279 x 384mm |
| Weight (no drives) | 10.8lb / 4.9Kg | 10.8lb / 4.9Kg | 23.15lb / 10.5Kg |
| Limited Warranty | 1 Year Standard 3 year Option Available | | |
| Package Contents | FreeNAS Mini, Power Cord, Quick Start Guide, 2 Case Door Keys, 4 Removable Disk Trays, bag of HDD screws, 7 ft copper cable | FreeNAS Mini, Power Cord, Quick Start Guide, 2 Case Door Keys, 4 Removable Disk Trays, bag of HDD screws, 7 ft copper cable | FreeNAS Mini XL, Power Cord, Quick Start Guide, 2 Case Door Keys, 8 Removable Disk Trays, bag of HDD screws, 7 ft copper cable |

*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 | DIRECTORY SERVICES | NETWORKING |
|--|--|--|
| <ul style="list-style-type: none"> AFP CIFSv1, SMBv2, SMBv3 FTP and SFTP iSCSI NFS v3, v4 S3-Compatible Object API WebDAV | <ul style="list-style-type: none"> Active Directory (AD) Lightweight Directory Access Protocol (LDAP) Network Information Service (NIS) Open Directory | <ul style="list-style-type: none"> NIC Failover Port Trunking/NIC Teaming and IEEE 802.3ad Link Aggregation VLAN Support DHCP client, DHCP Server |
| FILESYSTEM | REMOTE ADMINISTRATION | BACKUP |
| <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 |