

# FREENAS® MINI AND FREENAS MINI XL THEY SAVE YOUR LIFE



YOU SIMPLY CAN'T  
AFFORD ANOTHER  
SOLUTION

For additional functionality, FreeNAS plugins provide entertainment, collaboration, and security services. You can use the freeNAS Mini to collect, store, and stream high quality video and audio content using plugins like Plex Media Server.

No other NAS combines the inherent data integrity and security of the OpenZFS file system with fast on-disk encryption. No other NAS provides comparable power and flexibility. When it comes to preserving your important data, you simply can't afford another solution.

## HOW IMPORTANT IS YOUR DATA?

Years of family photos. Your entire music and movie collection. The shared documents in your office. Your schoolwork. Backups for every computer and device in your home or office. We ask again, just how important is your data?

FreeNAS assumes that data is an essential part of our modern lives. The FreeNAS Mini and Mini XL are the clear choice when it comes to saving your digital life. No other NAS in this class offers ECC (Error Correcting Code) memory to protect data from corruption before it touches a disk, as well as ZFS to protect against silent data corruption that accumulates over time.

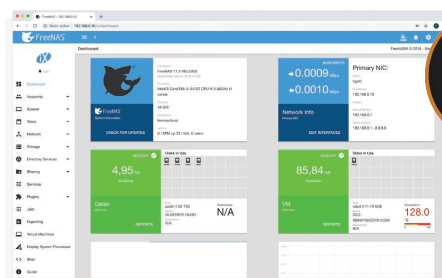
ZFS also provides RAID-like protection against drive failures, snapshots to protect against ransomware and accidental file deletions, and smart caching technologies to accelerate your FreeNAS Mini. Whether you are streaming high quality video or restoring your laptop, FreeNAS delivers the performance you need.

With over 1 Million deployments, FreeNAS is the #1 Open Source storage OS. Included are a rich feature set of storage services, an easy-to-use web interface and excellent documentation, FreeNAS can store, protect and share your data with Windows, MacOS and Linux. Join the FreeNAS community at [www.Freenas.org](http://www.Freenas.org).

▶ Buy from [amazon.com](http://amazon.com)



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



FEATURES	FREENAS MINI	FREENAS MINI XL
Chassis	4 Bay Enclosure - Super Quiet Design	8 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 2 x SATA 2.5" Internal SSD Bays
Maximum Capacity	Up to 40TB depending on RAID layout	Up to 80TB depending on RAID layout
CPU	8-Core 2.4GHz Intel® CPU with AES-NI	
Memory	16GB DDR3 with ECC standard, 32GB upgrade optional	32GB DDR3 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: 2 x 1 Gigabit Ethernet Ports (10/100/1000) Dedicated RJ45 IPMI Port (Remote Hardware Management) Optional: Dual-Port 10Gb upgrade via PCIe Card	
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	1x PCI Express 2.0 x8 slot (Low Profile)	
Power Supply	100V to 240V AC, 50/60 HZ, Single Phase	
Power Consumption (Maximum)	Diskless: 33W, With drives: 73W	Diskless: 39W, With drives & 10GbE: -106WE
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	23.15lb / 10.5Kg
Limited Warranty	1 Year	
Package Contents	FreeNAS Mini, Power Cord, Quick Start Guide, 2 Case Door Keys, 4 Removable Disk Trays, bag of HDD screws, 7' copper cable	FreeNAS Mini XL, Power Cord, Quick Start Guide, 2 Case Door Keys, 8 Removable Disk Trays, bag of HDD screws, 7' copper cable

## FREENAS FEATURES & SERVICES

SERVICES & PROTOCOLS	DIRECTORY SERVICES	NETWORKING
<ul style="list-style-type: none"> <li>• CIFSv1, SMBv2, SMBv3</li> <li>• AFP, FTP, SFTP, WebDAV</li> <li>• NFS v3, v4, iSCSI</li> <li>• S3-Compatible API</li> <li>• Plugins, Jails, VMs</li> </ul>	<ul style="list-style-type: none"> <li>• Active Directory (AD)</li> <li>• Lightweight Directory Access Protocol (LDAP)</li> <li>• Network Information Service (NIS)</li> <li>• Open Directory</li> </ul>	<ul style="list-style-type: none"> <li>• NIC Failover</li> <li>• Port Trunking/NIC Teaming</li> <li>• IEEE 802.3ad Link Aggregation</li> <li>• VLAN Support</li> <li>• DHCP client</li> </ul>
ZFS FILESYSTEM	REMOTE ADMINISTRATION	NETWORKING
<ul style="list-style-type: none"> <li>• In-line Compression</li> <li>• Snapshots and Clones</li> <li>• Thin Provisioning</li> <li>• Bit-rot Detection/Correction</li> <li>• Online Capacity Expansion</li> <li>• Virtual Block Devices</li> <li>• ZFS Stripe (RAID 0),</li> <li>• ZFS Mirror (RAID 1, 1+0),</li> <li>• RAIDZ1/Z2 (RAID 5/6)</li> </ul>	<ul style="list-style-type: none"> <li>• HTTP/HTTPS Web UI</li> <li>• Email Alert Configuration</li> <li>• Syslog, SNMP/MIB, IPMI</li> <li>• Backup &amp; Restore Settings</li> <li>• Restore to Factory Default</li> <li>• Resource Monitor</li> <li>• Log and Event Collection</li> <li>• Automatic Online Updates</li> <li>• REST &amp; websockets API</li> </ul>	<ul style="list-style-type: none"> <li>• ZFS Replication</li> <li>• Rsync to other machines</li> <li>• Microsoft Windows Backup</li> <li>• Apple Time Machine</li> <li>• TrueOS® Life Preserver</li> <li>• Cloud Sync to AWS, Azure, GoogleCloud, Backblaze, Dropbox, and others</li> <li>• Many backup plugins</li> </ul>

## PLUGIN SOFTWARE & SERVICES

ENTERTAINMENT	COLLABORATION	SECURITY & BACKUP
<ul style="list-style-type: none"> <li>• Plex Media Server</li> <li>• Transmission</li> <li>• CouchPotato</li> <li>• Madsonic, Emby</li> <li>• Many others</li> </ul>	<ul style="list-style-type: none"> <li>• NextCloud, OwnCloud</li> <li>• Gitlab</li> <li>• Jenkins</li> <li>• Redmine</li> <li>• Many others</li> </ul>	<ul style="list-style-type: none"> <li>• ClamAV Antivirus</li> <li>• ZoneMinder Security video</li> <li>• Asigra Backup</li> <li>• BRU-Server, Tarsnap</li> <li>• Many others</li> </ul>