



NAS1000 Series

Simplifying Data Storage

Rev 2.0



**Affordable & Easy to Manage
Hybrid NAS**



NAS1000 SERIES TOWERS

Key Features

- OPTIMIZED INTEL BASED PLAFOMRM IN A TOWER OR RACK SOLUTION.
- CENTERLIZE FILE STORAGE, SHARING AND BACKUP WITH OPTIMIZED PERFORMANCE
- RUN WINDOWS, LINUX, UNIX & ANDROID BASED VIRTUAL MACHINES.
- PROTECT YOUR IMPORTANT DATA WITH ENCRYPTION TECHNOLOGIES LIKE AES 256-BIT ENCRYPTION.
- SCALE-UP AS DATA GROWS OR SCALEOUT WITH THE INCREASEED PERFORMANCE , NAS SUPPORTS BOTH WITHOUT LIMITATIONS.
- INTEGRATE PUBLIC CLOUDS WITH THE NAS1000 USING CLOUD CONNECT SERVICES.

Technology at work for you

Efficient Data storage is a necessity for every business and organization who are looking for file sharing and data management. AyNuX NAS1000 Series appliance enables remote accessibility, is an ideal solution for users looking to create a secure private cloud environment to ease accessibility within their IT environment. Having a dedicated machine for each specific task tends to be expensive and inefficient. AyNuX NAS appliances enables business IT environments to deploy comprehensive applications and services, whenever they're needed. Everything from data storage to file sharing, hosting a website or even setting up disaster recovery; AyNuX NAS can do it all.

Advantages

AyNuX platforms utilizing Stonefly StoneFusion software, enables IP Storage solutions offer key features including: Multiprotocol support, Active/Active clustering, Storage virtualization, Snapshots, Synchronous mirroring and Asynchronous replication. AyNuX solutions are cost-effective, and offer a range of deployment options to fit any every office or organizations with storage needs.

Secure Personal Cloud

The NAS1000 appliance enables remote accessibility and data encryption ability is ideal for users looking to create a secure private cloud environment to ease accessibility within their IT environment.

High Performance

The hardware configuration of the appliance is customized with high end single processor CPU and up to 16G Memories to ensure power and responsiveness to help business productivity soar.



NAS1000 SERIES RACKMOUNTS



SIMPLE MANAGEMENT

Stonefusion Web based Management is making it simple for any individual to manage their data at lowest cost per gigabyte in a secure environment.

FLEXIBLE CONFIGURATION

AyNuX NAS1000 appliance would allow users to select the performance and storage based on their needs. The NAS appliance supports i3, i5 and i7 processors, with various storage capacity of 4TB, 8TB, 16TB, 40TB, 80TB or 120TB in different form factors whether in SuperQuite 4-Bay or 8-Bay towers to use in office or 4-Bay or 12-Bay rackmounts to use in datacenters.

SMBs, SMEs and Startups can seamlessly store, share and manage their workloads with AyNuX appliance.

WHO CAN USE IT?

Any SMBs, SMEs, Startups, universities, medical offices can seamlessly store, share and manage their workloads with AyNuX NAS1000 appliance.

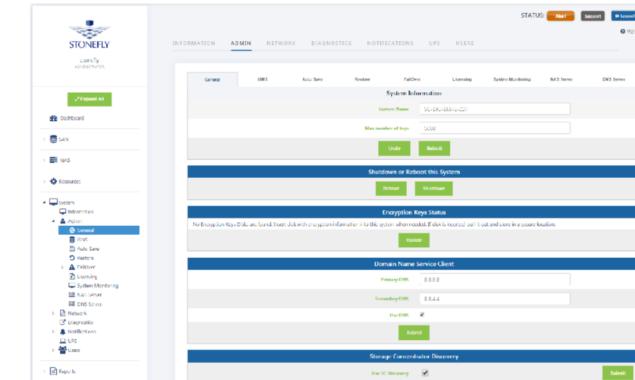
Enterprise-level Features

Protocol Support NAS1000: NAS supports CIFS and NFS protocols.

RAID for Business Continuity NAS1000: NAS1000 supports Erasure coding which enables support for RAID 1, 5 and 6. The device for higher reliability can support Hardware RAID controller (optional), which can be integrated to setup RAID 0, 1, 5, 6 and 10.

Snapshot: For businesses looking to integrate data protection, NAS1000 offers snapshot technology. Snapshots are read-only files that enable data recovery and protect enterprise workloads from threats like ransomware, disasters etc.

Replication: IT environments can opt to replicate their



Stonefly SCVM™ Management Software

Simplified Data Storage & Management

AyNuX NAS1000 appliance comes with Stonefly's web-based SCVM™ software. SCVM™ facilitates fast and secure management of enterprise storage resources. SCVM™ enables the creation of NAS volumes that appear as local hard drives to the end user. With SCVM™ IT environments can setup automated tiering to optimize cost saving. SCVM™ also supports Blob and S3 storage types; making most public clouds like Azure, AWS, Google etc. compatible with NAS1000 appliance.

VMs and workloads locally or they can choose to replicate their workloads in the cloud to ensure reliable and effective disaster recovery; whenever necessary.

Encryption: The appliance uses advanced encryption technology (AES-256 bit) to ensure data protection at rest. While SSL/TLS tunneling is used to protect data at transit.

Incredible Read/Write Speed: When properly configured and at full network bandwidth, the NAS1000 appliance is capable of delivering aggregate read and write speed of up to 3GB/sec per node. This performance continues to increase as the appliance is scaled-out with the addition of nodes.

Cloud Connect to Azure, AWS etc. NAS1000 appliances comes with cloud connect services. Users can opt to setup their storage, replication or backups in public clouds like Azure, AWS, Google etc.

Cloud Storage, Backup & DR

AyNuX utilizing Stonetly's partnerships with Microsoft Azure, Amazon Web Services (AWS) and other public clouds enable NAS1000 appliance to offer cloud storage, backup and disaster recovery in the cloud.

IT environments can leverage SCVM™ software and use replication and/or snapshot technology to move images or workload replicas to VMs setup in the cloud. Enterprises can also leverage automated tiering to move old or archival data to the cloud and reduce the cost implications of data storage.

Data Protection

AyNuX is stand for simplified and efficient data storage but that's not all, while most Storage software's focus only on data storage and data protection is covered with other software's and solutions, AyNuX platform utilizing Stonetly's SCVM™, the software that comes with NAS1000, offers not just storage but also data protection.

With flexibility on RAID options enterprises can acquire data redundancy and ensure business continuity. Another way to prevent data loss and ensure business continuity is to leverage the snapshot and replication technology. SCVM™ facilitates replication on-premises and in the cloud. IT environments can commission another appliance or they can dedicate VMs in the cloud and replicate their mission critical data in enterprise-level clouds like Microsoft Azure or Amazon Web Services (AWS). In the event of a disaster, these replicated VMs can be used to restore operations while the primary systems are recovered.

This reduces the overall costs for the business. With AyNuX NAS1000, enterprises don't just acquire storage on-premises but also in the cloud and they acquire the means to backup and recover their data. For SMBs, SMEs and Startup businesses, AyNuX NAS1000 is the only thing they'll ever need. As their data grows, they can use the appliance's scalability and simply add more nodes; making the appliance future-proof.

SCALE -OUT STORAGE

AyNuX Scale-Out storage enables storage without limits. A metadata-free management framework powers a file system that accommodates an unlimited number of nodes and performance that scales linearly as nodes are added. As your business need more storage you would be able expand and scale-out.



Start Small And add Nodes as Your Business Grows

SYSTEM CONFIGURATION

- Form Factor: Tower/Rackmount
- Storage Capacity: Up to 120TB
- Processor: Optional Intel® i3, i5 or i7
- Memories: Up to 16GB DDR4
- Networking: Dual 1G or 10G

AVAILABLE MODELS

- NAS1104: 1U 4-Bay 40TB Rackmount
- NAS1212: 2U 12-Bay 120TB Rackmount
- NAS1404: 4U 4-Bay 40TB Mini Tower
- NAS1408: 4U 8-Bay 80TB Tower

ABOUT AyNuX

AyNuX is the provider of quality, performance and efficient solution to any size IT infrastructure. Accelerating technological change is permeating every vector of organizational IT values.

At AyNuX we recognize companies IT necessity, therefore with expertise in industry and wide range of partners, we enable *Reliability, Economical and Simplicity Data Management* as key advantages to our solutions.



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