

Data Archiving Solution for Small Archives

Designed specifically for small to medium sized businesses and organizations, the NETArchive Express (NAE) is ASTI's lowest profile Network Attached Storage (NAS) device offering a large archiving solution within a small package. The NAE is functionally similar to the standard NETArchive only without the automated library robotics, and includes RAID, archive management software, and a single NETArchive Optical ODA drive for writing to archiving media.

All data written to the NAE is cached on high-performance RAID providing fast read/write access to the most recent data. Data is then committed to NETArchive media and/or cloud for long-term archiving, based upon user-defined policies established in the Archive Management Software (AMS). The integrated AMS application enables users to manage, configure and control all data stored within the system on storage media, whether online or offline and/or in the cloud, providing virtually unlimited capacity. The NAE reads and writes to the NETArchive ODA media via a single Optical drive which can be manually exchanged.

Archive Management Software (AMS)

Adaptable to any industry, business or organization, the highly configurable and versatile Archive Management Software provides powerful policy based control for data management.

Designed specifically for usability and efficiency, the advanced feature set enables users to manage virtual archive storage volumes, file folders, file releases, file migration, and online and offline media. Powerful help tools, and easy-to-setup and modify archiving parameters, eliminate the need for specialized training and resources. Unattended monitoring through notifications decreases the amount of time needed to manage data.

Centralized, Efficient and Flexible Data Management and Control

- Configurable policies for migration, storage volumes and more
- Scalable for non-disruptive system growth & extensibility
- Media management tools, monitoring and management

Data Protection

- Compliance for industry & government regulations and mandates

Built-in Data Protection for Business Continuity

- Built-in backup protecting against the risk of data loss
- Optional high availability data Replication

Multi-faceted Data Security with Access Control

- User authentication via industry standards such as Active Directory
- Data Encryption options to protect data in transit and at rest

Proactive System Monitoring

- All hardware and software components
- SMTP/SNMP system notifications for immediate notification

Archive to Disk, Optical & Cloud



NETArchive Express Features & Benefits

- *Secure, cost-effective data archiving solution specifically designed for SMBs*
- *100 Year Media Life*
 - *Unmatched longevity reduces frequency of data migrations & media maintenance*
- *WORM Media*
 - *Meets the highest regulatory standard for Compliant Record Retention*
- *Up to 96TB RAID Cache*
 - *Fast read & write access for active archive records*
- *Active Directory & ACL Support*
 - *Secure integration into Windows domains & simplified administration*
- *SMB, NFS, & FTP Support*
 - *Operates in heterogeneous Windows & UNIX environments*
- *Off-line Media Management*
 - *Manages removed media to enable very low cost capacity scaling*
- *Replication & Encryption features (optional)*
- *Cloud integrated Storage feature (optional) with support for Amazon S3 Storage and Windows Azure*

NETArchive Express



Cloud, Encryption & Replication Options

Through implementation of ASTI's Cloud feature, users can realize virtually unlimited storage capacity. The cloud option integrates seamlessly with industry-leading cloud service providers to offer transparent data archiving. All archived data, stored locally or in the cloud, is monitored and managed from a single vantage point via the AMS interface.

The FIPS 140-2 compliant Encryption feature is available to provide security for archive data at rest and in motion. Built-in resilient encryption key management and vaulting assure peace of mind.

When high-availability and fast Recovery Time Objectives are paramount for the business, the Replication feature provides full data replication between active and passive NETArchives, with integrated fail-over and failback functionality.

Network Attached Storage (NAS)

The NAS NETArchive Express is up and running in only a few minutes presenting itself as a standard TCP/IP network resource supporting SMB, NFS, and FTP protocols.

NETArchive Media

True WORM (Write-Once-Read-Many) ODA technology offers superior longevity and data authenticity making it a cornerstone for organizations that are subject to industry regulations that mandate record authenticity and preservation of critical data.

One hundred year NETArchive media life dramatically reduces media maintenance, decreases the frequency of data migrations, and provides very low total cost of ownership throughout the life of the archive. The NETArchive ODA drive has backwards read capability and can read older generations of NETArchive media.

NETArchive Model Types

The NETArchive Express is designed as a rackmount system, fitting into a standard 19" server rack (mounting kit included). The NETArchive ODA drive conveniently sits on a shelf and is connected via USB 3 to the NETArchive SMS.



Technical Specifications

NETArchive SMS (Storage Management Server)	
Archive Controller CPU	Quad Intel Xeon E5 3.5Ghz
PCIe Bus	5 GB/s Gen 3
RAID Cache (2, 8 or 12 drive)	4 - 96 TB max raw
RAID Strategies	RAID 1, 5, 6
SSD's	Qty 2
Network Connectivity	Dual - 1Gbe + IPMI (Load balance / failover)
Redundant Power Supplies	Yes
Optical Drive Connectivity	Superspeed USB 3
Cables included	2 Power, 2 RJ45 Ethernet, 1 USB
Height	3.5" 2 U standard
Shipping weight (lbs / kgs)	82 / 37 total
Shipping Dimensions (inches)	36 x 26 x 15 (LxWxH)
Operating Voltage (auto ranging)	100 to 240 VAC (50-60Hz)
AC Current (Varies due to drives)	1.5 - 3.4 Amps
Operating Temperature	50-90F / 10-32C

ODA Drive Specifications	ODA1	ODA2	ODA3
Drive Weight (lbs / kgs)	9 lbs 7 oz (4.3kg)	10 lbs 9 oz (4.8kg)	10 lbs 9 oz (4.8kg)
Drive Dimensions W x L X D (inches/mm) (excluding protrusion)	5.75" x 3.625" x 15.75" (146 x 84 x 398 mm)	5.75" x 3.75" x 16.25" (146 x 95 x 413 mm)	5.75" x 3.76" x 16.31" (146 x 95.5x 414.4 mm)
Shipping Weight (lbs/kg)	12.625 lbs (5.74kgs)	13.13 lbs (6.24kgs)	13.13 lbs (6.24kgs)
Shipping Dimensions LxWxH (inches/mm)	21.5" x 11" x 9" (546.1 x 279.4 x 228.6 mm)	21.5" x 11" x 9" (546.1 x 279.4 x 228.6 mm)	21.5" x 11" x 9" (546.1 x 279.4 x 228.6 mm)
Operating Voltage (AC Adaptor supplied)	19.5 VDC	19.5 VDC	19.5 VDC
Power (W)	20 (average)		

ODA Media & Data Transfer Speeds			
Media Capacity & Type	1.5 TB WORM	3.0 TB WORM	4.81 TB WORM
Write with verify	46 MB/s	92 MB/s	187.5 MB/s
Write without verify	91 MB/s	182 MB/s	375 MB/s
Read	141 MB/s	282 MB/s	375 MB/s
USB Connectivity	USB 3.0	USB 3.0	USB 3.2

System Warranty	
System Warranty	1 Year Warranty

RAID Configurations (8TB SAS HDD's)

2 Drive RAID 1		8 Drive RAID 6		12 Drive RAID 6	
Raw	Usable	Raw	Usable	Raw	Usable
16TB	7.3TB	64TB	22.4TB	96TB	52.1TB