Archive Appliance Express

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

All data written to the AAE is cached on high-performance RAID and then committed to UDO media for long-term archiving, based upon user-defined policies established in the Archive Management Software (AMS). The AMS enables users to manage, configure and control all data stored within the system on storage media (online or offline) and/or in the cloud. The AAE reads and writes to the 60GB UDO2 media via a single, Ultra Density Optical (UDO) drive.

The AAE and AMS application interact to provide virtually unlimited archiving capacity. The AMS application automatically signals when media reaches maximum capacity. Once media is manually exchanged, the AAE begins writing data to the new media while the application continues to track data stored on all shelved media.

Features & Benefits

- *Secure, cost-effective data archiving solution specifically designed for SMBs*
- *50 Year Media Life*
  - Unmatched longevity reduces frequency of data migrations & media maintenance
- *WORM Media*
  - Meets the highest regulatory standard for Compliant Record Retention
- *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
- *Cloud & Encryption features (optional)*

Rackmount Model

Network Attached Storage (NAS)

The NAS Archive Appliance 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.

RAID

All data written to the AAE is cached on high-performance RAID and is then committed to UDO2, and/or cloud, for long-term archiving, based on user-defined policies. RAID provides fast access to the most recently read or written files. The AAE supports RAID 1 and RAID 5 configurations (reference RAID chart on back).

Archive Management Software (AMS)

The pre-configured AMS, specifically designed for data archiving, provides a flexible system with all the capabilities necessary for proficiently and effectively archiving, managing, and randomly accessing data. Adaptable to any industry, business, or organization, the highly configurable and versatile software provides powerful policy-based control for data management.

Ultra Density Optical (UDO) Media

True WORM (Write-Once-Read-Many) UDO2 technology-offers superior longevity and data authenticity making it a cornerstone for organizations that are subject to industry regulations that mandate record authenticity.

Fifty-year UDO2 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 UDO2 drive has backwards read capability and can read UDO1 media.

Model Types

Two low-profile models are available, each designed to fit conveniently within offices or rack mounted in the IT room. The desktop model is approximately the size of a desktop computer, while the rackmount (or shelf-mount) version fits into a standard 19" server rack in the IT room (mounting kit included).

Archive Management Software (AMS)

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.
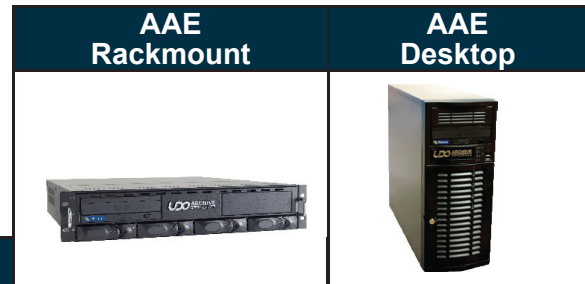
Highlights of the advanced feature set include:

- *Configurable policies: migration, watermark & storage volumes release, and more*
- *SMTP/SNMP system notifications*
- *Media management tools*
- *Off-lined media monitoring and management*
- *UDO Guard data protection*
- *System diagnostics for library*
- *RAID integrity checker*
- *Cloud storage feature available*
- *Data Encryption feature available*

Cloud & Encryption 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.

Specifications	AAE Rackmount	AAE Desktop
60GB UDO2 Drives	1	1
Min Raw RAID Capcity (1TB Drives)	2TB	2TB
Max Raw RAID Capacity (1TB Drives)	4TB	4TB
Power (W)		
Max Power Requirement (W)	331	284
Heat Dissapation		
Max Heat Dissapation (BTU/hr)	601	577
Library Weight		
Max Config (lbs/kgs)	35/16	42/19
Library Dimensions		
Product (LxWxH) inches	22x19x3.7	21x7x17
Product (LxWxH) cm	56x48x9.4	53x18x43
Shipping Weight		
Library (lbs/kgs)	59/27	55/25
Shipping Dimensions		
LxWxH inches	37 x 36 x 15	31 x 23 x 14
Library Reliability (MSBF)		
Mean Time To Repair	<1 hour	<1 hour
Operating Temperature (F)/(C)	50-104F/10-40C	50-104F/10-40C
Operating Voltage (auto ranging)	100 to 240 VAC	100 to 240VAC
Library UDO Drive Connectivity	SCSI	SCSI
Number of Gbe ports	2	2

RAID Configurations					
RAID 1 - Qty 2, 1TB Drives		RAID 1 - Qty 4, 1TB Drives		RAID 5 - Qty 4, 1TB Drives	
Raw	Usable	Raw	Usable	Raw	Usable
2TB	913GB	4TB	1.86TB	4TB	2.74TB

UDO is registered trademark of ASTI - Manufactured under ISO9001 registered quality system