

## UDO Archive Appliance Network Attached Archival Storage



The UDO Archive Appliance employs a fully integrated, network-attached storage (NAS) architecture that leverages the strengths of RAID and UDO (Ultra Density Optical) technology to meet essential archive requirements in a way that traditional, monolithic storage products cannot match.

### Access — Network Attached Storage (NAS)

Easy to install and configure, a UDO Archive Appliance is up and running in only a few minutes. An integrated NAS server presents the solution as a standard network resource across both Windows and Unix networks.

### Speed — RAID Cache

All data written to the UDO Archive Appliance is cached on high performance RAID and then committed to UDO for long-term archiving, based on user-defined policies. The RAID cache presents all data as part of an active archive and provides fast access to the most recently read or written files. Most UDO Archive Appliance configurations support a cache capacity up to 8TB.

### Longevity and Authenticity — UDO

At the heart of the UDO Archive Appliance is UDO technology. This true WORM (Write Once Read Many) media offers superior longevity and data authenticity making it a cornerstone for organizations that are subject to industry regulations that mandate record authenticity. Fifty-year UDO media life also dramatically reduces media maintenance, decreasing the frequency of data migration, providing very low total cost of ownership throughout the life of the archive.

### Control — Archive Software

The UDO Archive Appliance is controlled by pre-configured management software that has been optimized for the needs of an archive environment. The advanced feature set includes multiple archive volumes that provides better data administration and archive sharing, and can automatically create duplicate UDO media for cost effective disaster recovery.

#### AA80 Entry-Level Archive Appliance

The AA80 library can be configured with 2 or 4 drives, and scales to up to 80 slots or 4.8 TB. Available standalone or with 19 inch rack mount kit.

#### AA174 Mid-Range Archive Appliance

Solid, dependable optical archives with 2, 4 or 6 drives, scaling up to 174 slots with a storage capacity of 10.4 TB.



AA80

AA174

The UDO Archive Appliance is a stand-alone archival network-attached storage solution that operates independently or easily integrates with a host of applications, including medical imaging, document management and email archive.

# UDO Archive Appliance Library

Features	Benefits
50 Year Media Life	Unmatched longevity reduces frequency of data migrations & media maintenance
WORM Media	Meets the highest regulatory standard for Compliant Record Retention
High-Performance RAID Cache	Fast read & write access for archive records
Multiple Archive Volumes	Simultaneously archive data from multiple applications to dedicated media pools
Active Directory & ACL Support	Secure integration into Windows domains & simplified administration
CIFS, NFS, & FTP Support	Operates in heterogeneous Windows & UNIX environments
Automatic Second Copy	Additional data protection that provides low cost disaster recovery when stored off site
Off-line Media Management	Manages removed media to enable very low cost capacity scaling

The UDO Archive Appliance combines the performance and simplicity of network attached RAID with the longevity & authenticity of UDO, enabling organizations to deploy an archival storage strategy that meets their compliance and risk requirements at a very low total cost of ownership.

## Intrinsic Scalability

Select from two models that are designed to maximize data archiving requirements ranging from entry-level through mid-range. Slots are license key enabled and can be scaled incrementally at any time right onsite or remotely if already populated. *Invest in today's requirements and expand for tomorrow's!*

There are many benefits to the intrinsic scalability of the libraries:

- Empowers businesses to increase storage capacity incrementally as archiving demands increase
- Budget for future expansion
- Accommodate data growth without changing the footprint size

	ENTRY AA80	MID-RANGE AA174
Max/Min # Slots	80/20	174/100
Max Raw Capacity TBs	4.8	10.4
Max/Min Drives	4/2	6/2
Drive Increments	2	2
Power (W) w/Max Configuration		
Min Power Requirement (W)	355	381
Max Power Requirement (W)	503	544
Weight		
Max Config (lbs/kgs)	205/93	301/137
Shipping Weight (lbs/kgs)	280/127	400/181
Dimensions		
Product (LxWxH) inches	32x18x35	32x18x59
Product (LxWxH) cm	81x46x89	81x46x150
Shipping Dimensions (LxWxH) inches	37x32x51	37x36x76
Library Reliability (MSBF)	2,000,000	2,000,000
Robotics Access Time (sec*)	7.3	8.3
Media Transport Assembly (MTA) Type	Dual	Dual
Import/Export Mail Slot	Single	Single
Gbe Ports	2	2
Mean Time To Repair	< 4 Hours	< 4 Hours
Operating Temperature	50-90F/10-32C	50-90F/10-32C
Operating Voltage (auto ranging)	100 to 240 VAC	100 to 240 VAC

## Slot Licensed Scalable Configurations

### AA80

Drives	Slots	Capacity
2	20	1.2 TB
2	40	2.4 TB
2	60	3.6 TB
2	80	4.8 TB

### AA174

Drives	Slots	Capacity
2	100	6 TB
2	120	7.2 TB
2	140	8.4 TB
2	174	10.4 TB

Drives	Slots	Capacity
4	20	1.2 TB
4	40	2.4 TB
4	60	3.6 TB
4	72	4.3 TB

Drives	Slots	Capacity
4	100	6 TB
4	120	7.2 TB
4	140	8.4 TB
4	166	10 TB

Drives	Slots	Capacity
6	100	6 TB
6	120	7.2 TB
6	140	8.4 TB
6	158	9.5 TB

### RAID Configurations

8 Drive RAID 5		8 Drive RAID 6		12 Drive RAID 5		12 Drive RAID 6	
Raw	Usable	Raw	Usable	Raw	Usable	Raw	Usable
8TB	4TB	8TB	3TB	12TB	8TB	12TB	7TB



UDO is registered trademark of ASTI