

## UDO Archive Appliance Network-Attached Archival Storage

### UDO ARCHIVE APPLIANCE™

Combining the performance and simplicity of network-attached RAID with the longevity and authenticity of UDO, the UDO Archive Appliance™ establishes a new standard for Enterprise archival storage. The UDO Archive Appliance easily integrates with content management, email and imaging applications, and enables organizations to deploy an archival storage strategy that meets their compliance and risk management requirements at a very low total cost of ownership.



**Plasmon**  
Archive Appliance Libraries

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 — NAS Server

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. This simple interface has enabled a growing list of content management, email archiving, and imaging applications to quickly certify the UDO Archive Appliance as the principle archive within an overall data and document management solution.

#### 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

UDO storage technology lies at the heart of the UDO Archive Appliance. As the proven standard for data archiving, UDO provides a level of media longevity and record authenticity far superior to magnetic disk or tape technology. UDO true WORM (Write Once Read Many) media is a cornerstone for organizations that are subject to industry regulations which mandate record authenticity. Fifty-year UDO media life also dramatically reduces media maintenance and decreases 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 preconfigured 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.

#### Scalability

With system capacities ranging from under 1TB to over 76TB, the UDO Archive Appliance can accommodate entry level to Enterprise archive requirements. As archive demands grow, capacity is increased using field-upgradeable options and expansion libraries. When direct access is no longer required, UDO media can be removed to provide low cost scalability, while still managing the offline data. In addition, the UDO Archive Appliance can also be easily upgraded with higher capacity, future-generation UDO technologies without major expense or system disruption.

#### Support

Diagnostic features are standard with the UDO Archive Appliance, allowing Alliance Storage Technologies service engineers to quickly assess system issues to ensure maximum uptime. The UDO Archive Appliance comes with a 1-year warranty and an optional 3-year and 24x7 service level upgrades. All of the Plasmon archive solutions are supported by a global network of trained service professionals.

Features	Benefits
Permanence of UDO media	Dramatically lower total cost of ownership than disk-based archives
50-year media life	Unmatched longevity reduces frequency of data migrations and media maintenance
WORM media	Hardware-based, not software-based = not hackable or virusable Meets the highest regulatory standard for compliant record retention
Removability	Additional data protection that provides low cost, disaster recovery when stored offsite Media is bar-coded for effective shelf management
High-performance RAID cache	Fast read and write access for archive records
Multiple archive volumes	Increased usage of archive solution, without commingling data
CIFS, NFS, and FTP support	Operates in heterogeneous Windows and UNIX environments
Active directory and ACL support	Secure integration into Windows domains and simplified administration

## UDO Archive Appliance Technical Specifications

	AA16	AA32	AA80	AA174	AA164	AA238	AA438	AA638
Max/Min # slots	16/14	32/30	80/70	174/156	164/162	238/236	438/436	638/636
Backup media slots	2	2	2	2	2	2	2	2
Raw Capacity TBs	.96	1.9	4.8	10.4	9.8	14.3	26.3	38.3
Max/Min # Drives	2/1	2/2	4/2	6/2	6/2	6/2	6/2	6/2
Drive Increments	1	1	1	1	2	2	2	2
Usable RAID cache Min/Max	921GB/ 921GB	921GB/ 921GB	921GB/ 7TB	921GB/ 7TB	921GB/ 7TB	921GB/ 7TB	921GB/ 7TB	921GB/ 7TB
Max Power Requirements (W)	233	249	287	317	629	629	629	629
Max Heat Dissipation (BTU/hr)	360	370	405	427	1626	1626	1626	1626
Weight								
Max Config (lbs/kgs)	115/52	120/56	155/71	250/114	582/265	582/265	647/294	952/433
Shipping weight (lbs/kgs)	165	170	215	325	953	953	1108	1413
Dimensions								
Product (LxWxH) inches	32x12x31	32x12x31	32x18x31	32x18x55	35x28x76	35x28x76	35x35x76	35x42x76
Product (LxWxH) cm	81x30x79	81x30x79	81x46x79	81x46x140	89x71x193	89x71x193	89x89x193	89x107x193
Library Reliability (MSBF)	2,000,000	2,000,000	2,000,000	2,000,000	3,800,000	3,800,000	3,800,000	3,800,000
Robotics Access Time (sec)	7	7	7.3	8.3	6.2	6.2	6.3	6.4
Picker Type	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual
Import/Export Mail Slot	Single	Single	Single	Single	Single	Single	Single	Single
Bulk Load	n/a	n/a	n/a	n/a	10 disk	10 disk	10 disk	10 disk
Options	Windows/ Lights, Rackmount	Windows/ Lights, Rackmount	Windows/ Lights, Rackmount	Windows/ Lights	Redundant Power	Redundant Power	Redundant Power	Redundant Power
Number of Gbe ports	2	2	2	2	2	2	2	2
Mean Time To Repair (MTTR)	<4 hours	<4 hours	<4 hours	<4 hours	<4 hours	<4 hours	<4 hours	<4 hours
Operating Temperature	50–90F/ 10–32C	50–90F/ 10–32C	50–90F/ 10–32C	50–90F/ 10–32C	50–90F/1 10–32C	50–90F/1 10–32C	50–90F/ 10–32C	50–90F/ 10–32C
Operating Voltage (auto ranging)	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC

	AAE Rackmount	AAE Desktop
Max/Min # slots	1/1	1/1
Raw Capacity TBs	0.06	0.06
Max/Min # Drives	1/1	1/1
RAID Max/Min	921GB/921GB	921GB/921GB
Max Power Requirements (W)	280	250
Max Heat Dissipation (BTU/hr)	400	371
Weight		
Max Config (lbs/kgs)	35/16	42/19
Shipping weight (lbs/kgs)	59/27	55/25
Dimensions		
Product (LxWxH) inches	22x18x4	21x7x17
Product (LxWxH) cm	56x45x9	54x18x44
Number of Gbe ports	2	2
Mean Time To Repair (MTTR)	<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 240 VAC

Alliance Storage Technologies offers the only enterprise-class active archive solution that ensures data permanence, authenticity, access, longevity and removability, at the low total cost of ownership that businesses demand.

Archive Without Compromise.™

Alliance is ISO 9001 certified.

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