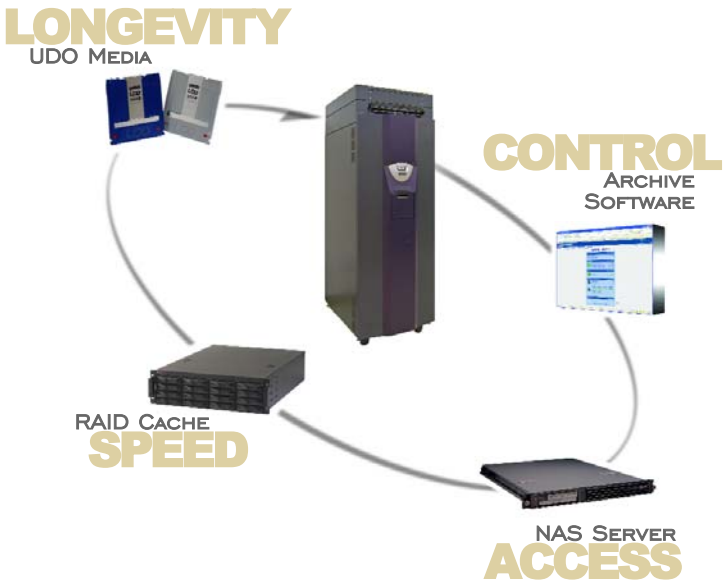
UDO ARCHIVE APPLIANCE

Tiered Archival Storage

Combining the performance and simplicity of network attached RAID with the longevity and authenticity of UDO; Plasmon's UDO Archive Appliance™ establishes a new standard for enterprise archival storage. The UDO Archive Appliance easily integrates with imaging and content management applications to meet the needs of organizations developing strategies for long-term record retention.



System Architecture
The UDO Archive Appliance employs a unique, fully integrated, tiered storage model that leverages the strengths of different technologies to meet essential archive requirements in a way that more traditional, monolithic, storage products cannot match. The tiered storage design provides the simple access, read/write speed, data longevity and management control, which is critical to the success of any record archive.

Installation and Operation
Simple to install and configure, a UDO Archive Appliance is up and running in only a few minutes. The NAS interface presents the solution as a standard network drive and all archived data is cached on RAID (tier 1) for rapid access and immediately committed to UDO (tier 2) for long-term retention. As the "gold standard" for data archiving, UDO provides a level of media longevity and record authenticity that cannot be matched by magnetic disk or tape technology.

Data Redundancy
Additional redundancy features of the UDO Archive Appliance include the ability to make multiple data copies within the archive, which can also be used as part of a disaster recovery strategy employing off-line UDO media (tier 3).

Scalability
With system capacities ranging from under 1TB to over 19TB, the UDO Archive Appliance is built to scale using field upgradeable capacity options. The RAID cache can be expanded to 2TB on most models for environments with higher read rate frequency, and the archive capacity can be increased by up to 19TB through the addition of a second UDO library. The UDO Archive Appliance can also be easily upgraded to support higher capacity, future generation, UDO technology without major expense or system disruption.

Support
Remote monitoring and diagnostic features are standard with the UDO Archive Appliance; allowing trained service engineers to investigate problems remotely and rapidly rectify system faults. Plasmon certified partners can offer first line technical support or it can be provided though Plasmon's own global support network. In both cases, Plasmon takes technical responsibility for all hardware and software components within the UDO Archive Appliance. The architecture of the UDO Archive Appliance brings together the strengths of RAID and UDO technology in an easy to use, cost effective, archive. UDO Archive Appliance provides the performance and flexibility demanded by corporations and government agencies with challenging long-term record retention requirements.

FEATURES	BENEFITS
Unmatched Media Longevity	Reduced migration frequency and media maintenance
Compliant Record Authenticity	Write Once UDO meets the highest regulatory standard for authenticity
High Performance RAID Cache	Fast read and write access for archive records
Network Attached Interface	Simple installation and rapid deployment
File Duplication	Provides an additional level of data protection
Off-line Media Management	Enables cost-effective scaling and disaster recovery
CIFS and NFS Support	Operates in heterogeneous Windows and Unix environment
Secure Upgrade Path	Protects technology investment and minimizes system disruption
Low Total Cost of Ownership	Dramatically less expensive than monolithic disk based archives

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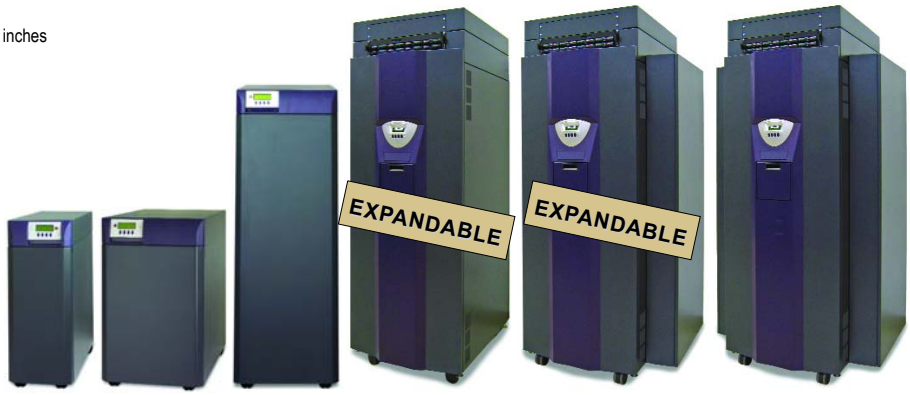
UDO Archive Appliance Technical Specifications

Model	AA32	AA80	AA80e	AA174	AA174e	AA238	AA438	AA638
Capacity	960GB	2.2TB / 2.4TB	2.2TB / 2.4TB	5.0TB	5.0TB	7TB	13TB	19TB
Number of UDO Drives	2	4 / 2	4 / 2	4	4	6	6	6
RAID Cache	170GB	170GB	2TB	170GB	2TB	170GB / 2TB	170GB / 2TB	170GB / 2TB
Number of Slots	32	72 / 80	72 / 80	166	166	238	438	638
Barcode Reader*	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Network	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet
Protocols	CIFS / NFS	CIFS / NFS	CIFS / NFS	CIFS / NFS	CIFS / NFS	CIFS / NFS	CIFS / NFS	CIFS / NFS
Mean Time To Repair (MTTR)	<4 hours	<4 hours	<4 hours	<4 hours	<4 hours	<4 hours	<4 hours	<4 hours
Dimensions and Weight								
HeightxWidthxDepth (cm)	77.5x28.8x78.2	77.5x44.5x78.2	86.4x44.5x78.2**	138.8x44.5x78.2	147.6x44.5x79**	195.6x69.1x91.4	195.6x86.9x91.4	195.6x104.6x91.4
HeightxWidthxDepth (inches)	30.5x11.3x30.8	30.5x17.5x30.8	34x7.5x30.8**	54.6x17.5x30.8	58.1x17.5x30.8**	77x27.2x36	77x34.2x36	77x41.2x36
Net Weight (Kg/lbs)	108 / 49	143 / 65	81.8 / 180	273 / 124	143 / 315	265 / 580	327 / 720	391 / 860
Shipping Dimensions								
HeightxWidthxDepth (cm)	109.2x59.7x92.7	109.2x59.7x92.7	129.5 x 59.7 x 94	172.5x59.7x92.7	192 x 59.7 x 94	193x124.5x94	193x124.5x94	193x124.5x94
RAID cache	-	-	-	-	-	86.4 x 76.2 x 96.5	86.4 x 76.2 x 96.5	86.4 x 76.2 x 96.5
Expansion module	-	-	-	-	-	-	184 x 86 x 86	184 x 86 x 86
HeightxWidthxDepth (inches)	-	-	51 x 23.5 x 37	-	75.5 x 23.5 x 37	76x49x37	76x49x37	76x49x37
RAID cache	-	-	-	-	-	34 x 30 x 38	34 x 30 x 38	34 x 30 x 38
Expansion module	-	-	-	-	-	-	72.5x33.8x33.8	72.5x33.8x33.8
Net Weight (Kg/lbs)	64 / 141.1	80 / 176.4	106.8 / 235	149 / 328.5	172 / 378.5	261 / 662	261 / 662	261 / 662
RAID cache	-	-		-		55 / 120	55 / 120	55 / 120
Expansion module	-	-	-	-	-	-	152 / 335	152 / 335
Environmental Characteristics								
Power Requirements (W)	275	320 / 275	472 / 427	320	472	707	707	707
Heat Dissipation (BTU/hr)	939	1093 / 939	1612 / 1458	1093	1612	2414	2414	2414
Operating Temperature	10°C to 32°C / 50°F to 90°F							
Operating Humidity (non-condensing)	10 to 90% RM							
Non-Operating Temperature	-30°C to 60°C / -22°F to 140°F							
Operating Voltage	100 / 240VAC							
Certification	Safety: CE, UL 1950, cUL950, EN60950, IEC950, Emission: FCC Class A, CISPR 22 Class A, EN55022 Class A, Immunity: EN55024, EN61000-3-2, EN61000-3-3							
	International: ISO 9001, CCC, VCCI-A							

Notes:
* UDO media with barcodes are required
** Width with stabilizers AA80e 48.2cm / 18.9 inches. AA174e 79 cm / 31.1 inches



AA32 960GB | **AA80** 2.4TB | **AA174** 5TB | **AA238** 7TB | **AA438** 13TB | **AA638** 19TB

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Plasmon is ISO 9001 certified

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