Green Archive Appliance
UDO Network Attached Archive Appliance

The UDO Archive Appliance employs a fully integrated, NAS (Network Attached Storage) architecture that leverages the strengths of RAID and UDO technology to meet essential archive requirements in a way that traditional, monolithic storage products cannot match.

Storageflex™ UDO Archive Appliance

Combining the performance and simplicity of Network Attached RAID with the longevity and authenticity of UDO, Storageflex's Green Archive Applaince (GAA) 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.

Features:	Benefits:
UDO Media	Dramatically less expensive than monolithic disk based archives
50 year media life	Unmatched longevity reduces frequency of data migrations and media maintenance
WORM Media	Meets the highest regulatory standard for Compliant Record Retention
High Performance RAID Cache	Fast read and write access for archive records
Multiple Archive Volumes	Simultaneously archive data from multiple applications to dedicated media pools
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
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
Low Total Cost of Ownership	Dramatically less expensive than monolithic disk based archives

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 immediately committed to UDO for long-term retention. 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 2TB.

Longevity and Authenticity - UDO Storage
UDO (Ultra Density Optical) 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 organisations that are subject to industry regulations that mandate record authenticity. 50 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 optimised 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 costeffective 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 very low cost scalability, while still managing the off-line 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
Advanced remote monitoring and diagnostic features are standard with the UDO Archive Appliance, allowing Storageflex™ service engineers to quickly assess system issues to ensure maximum uptime. The UDO Archive Appliance comes with up to 3 years warranty and 24x7 service level upgrades. All of Storageflex™'s archive solutions are supported by a global network of trained service professionals.

LONGEVITY
UDO Media

CONTROL
Archive Software

RAID Cache
SPEED

NAS Server
ACCESS

Storageflex™ UDO powered Archive Appliance Specifications and Configurations available

Configuration Numbers	AA16 / AA32	AA80 / AA80e	AA174 / AA174e	AA238	AA438	AA638	AA8764	AA10765	AA12766
Capacity	960GB / 1.9TB	4.4TB / 4.8TB	10TB	14TB	26TB	38TB	52TB	64TB	76TB
Number of UDO Drives	1 / 2	4 / 2	4	4	4 / 6	4 / 6	8 / 12	8 / 12	8 / 12
RAID Cache	170GB	170GB / 2TB	170GB / 2TB	2TB	2TB	2TB	2TB	2TB	2TB
Number of Slots	16 / 32	72 / 80	166	238	438	638	876	1076	1276
Barcode Reader[1]	Standard			Standard					
Network	Gigabit Ethernet			Gigabit Ethernet					
Protocols	CIFS / NFS / FTP			CIFS / NFS / FTP					
Mean Time To Repair (MTTR)	<4 hours			<4 hours					
Warranty[2]	1 year next business day on-site			1 year next business day on-site					
Dimensions and Weight									
HeightxWidthxDepth (cm)	77.5x28.8x78.2 -	77.5x44.5x78.2 or 86.4x44.5x78.2	138.8x44.5x78.2 or 147.6x44.5x793	195.6x69.1x91.4 -	195.6x86.9x91.4 -	195.6x104.6x91.4 -	195.6x104.6x91.4 or 172.3x69.1x91.4	195.6x104.6x91.4 or 172.3x86.9x91.4	195.6x104.6x91.4 & 172.3x105x91.4
Net Weight (Kg)	49	65 / 81.8	124 / 143	265	327	391	391 & 223	391 & 287	391 & 350
Shipping Dimensions (HxWxD) (cm)									
Library(s)	109.2x59.7x92.7	109.2x59.7x92.7 or 129.5x59.7x94	172.5x59.7x92.7 or 192x59. x94	193x124.5x94	193x124.5x94	193x124.5x94	193x124.5x94 & 193x124.5x94	193x124.5x94 & 193x124.5x94	193x124.5x94 & 193x124.5x94
RAID cache	-	-	-	86.4x76.2x96.5	86.4x76.2x96.5	86.4x76.2x96.5	86.4x76.2x96.5	86.4x76.2x96.5	86.4x76.2x96.5
Expansion module	- -	- -	- -	- -	184x86x86 -	184x86x86 -	184x86x86 -	184x86x86 -	184x86x86 & 184x86x86
Net Weight (Kg)									
Library(s)	64	80 / 106.8	149 / 172	261	261	261	522	522	522
RAID cache	-	-	-	55	55	55	55	55	55
Expansion module(s)	-	-	-	-	84	152	152	236	304
Environmental Characteristics									
Power Requirements (W)	175 / 275	320 / 275 or 472 / 427	320 or 472	707 -	707 -	707 -	1137 -	1137 -	1137 -
Heat Dissipation (BTU/hr)	939	1093 / 1612	1093 / 1612	2414	2414	2414	3873	3873	3873
Operating Temperature	10oC to 32oC / 50oF to 90oF		Operating Humidity (non-condensing)	10 to 90% RM					
Non-Operating Temperature	-30oC to 60oC / -22oF to 140oF								
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								
RoHS	Complies with RoHS EU Directive 2002/ 95/EC								

Notes:

1 UDO media with barcodes are required

2 Country specific

3 Width with stabilisers AA80e 48.2cm / 18.9 inches. AA174e 79 cm / 31.1 inches

4 AA876 consists of AA638 plus AE238 (expansion library)

5 AA1076 consists of AA638 plus AE438 (expansion library)

6 AA1276 consists of AA638 plus AE638 (expansion library)

Storageflex™
UDO Archive Appliance

Storageflex™ is ISO 9001:2008 certified

Expansion Library

AA16 / AA32	AA80e	AA174e	AA238	AA438	AA638 - AA1276
1.9TB	4.8TB	10TB	14TB	26TB	38TB - 76TB

Storageflex™ UDO powered Archive Appliance Configurations available