

## G-Series

### Archival Storage Powered by UDO®

# UDO2

Supported by a wide range of industry leading data and content management applications, the G-Series library family provides compliant and cost-effective storage for professional archive requirements.



Exclusive Manufacturer of  
**Plasmon**  
STORAGE TECHNOLOGIES

#### G-Series

Plasmon G-Series UDO libraries are the market leader for professional archival storage. They feature the industry's most reliable architecture that ensures high data availability for business critical data archives. G-Series libraries with 60GB UDO2 drives can read data written on 30GB UDO1 media and also support mixed UDO and MO drive configurations. This provides a backward compatible platform that protects the archive investment and minimizes the cost and frequency of data migration. The G-Series libraries are controlled through a SCSI interface and include state-of-the-art features such as dual pickers, hot/warm swappable drives, and redundant power supplies. Available in a broad range of configurations, the G-Series family meets workgroup to enterprise archive requirements. Models include 24 to 638 slots, with fully populated UDO capacities ranging from 1.5TB to over 38TB.

#### Powered by UDO

G-Series libraries feature UDO drives and media which are the industry standard for professional optical storage. UDO archive solutions offer unmatched data authenticity and longevity, consume much less power than magnetic disk based archives and deliver a very low Total Cost of Ownership. Second generation 60GB UDO2 media is available in True Write Once (WORM), Compliant Write Once and Rewritable formats.

#### Archival Solutions for all Requirements

##### Entry Level G-Series Libraries

Professional libraries in a compact chassis with 1 or 2 drives, 24 or 32 disk slots, and storage capacities from 1.44TB to just under 2TB. Available standalone or with 19 inch rack mount kit.

##### Midrange G-Series Libraries

Solid, dependable optical archives with 2, 4 or 6 drives, 72 to 174 slots and storage capacities from 4.2TB to 10.4TB. All models are available standalone configurations and the Gx80 can also be ordered with a 19 inch rack mount kit.

##### Enterprise G-Series Libraries

Enterprise G-Series libraries provide the ultimate in scalability, and reliability. They can be configured with up to 12 drives and are field upgradeable from 164 to 638 slots, expanding system capacity from 10TB to 38TB.

#### Application Support

The G-Series UDO libraries are supported by a long list of independent software solutions offering a wide range of applications including: data and storage resource management, content and document management, medical imaging and email archiving. Visit Alliance Storage Technologies website for a complete list of certified software partners at [www.alliancestoragetechnologies.com](http://www.alliancestoragetechnologies.com).

Key Features	Benefits
60GB UDO drive support	Highest capacity optical drive in the industry
Mixed MO and UDO support	Flexibility, investment protection, longevity
Dual Picker	Fast access times
Auto-Calibration	Increased uptime, greater reliability
Barcode Scanner	Greater security, offline media management, fast media inventory
Enterprise G-Series	
10-slot Bulk Magazine	Faster loading and unloading
Scalability Using Expansion Modules	Investment protection
Hot Swappable Drives	Increased uptime
Redundant Power Supplies	Increased uptime
Multiple Bus Configurations	Increased performance and drive count (up to 12 drives)

## Technical Specifications for G-Series Powered by UDO®

	Entry level			Mid-range	
	Gx24	Gx32	Gx80	Gx134	Gx174
Max/Min # slots	24/24	32/32	80/72	134	174/158
Raw Capacity TBs	1.4	1.9	4.8	8	10.4
Max/Min # Drives	2/1	2/1	4/2	4/2	6/2
Drive Increments	1	1	2	2	2
Max Power Requirements (W)	171	171	212	246	246
Weight					
Max Config (lbs/kgs)	110/50	110/50	145/66	240/109	240/109
Shipping weight (lbs/kgs)	160	160	205	315	315
Dimensions					
Product (LxWxH) inches	32x12x31	32x12x31	32x18x31	32x18x55	32x18x55
Product (LxWxH) cm	81x30x79	81x30x79	81x46x79	81x46x140	81x46x140
Library Reliability (MSBF)	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Robotics Access Time (sec)*	7	7	7.3	8.3	8.3
Picker Type	Dual	Dual	Dual	Dual	Dual
Import/Export Mail Slot	Single	Single	Single	Single	Single
Bulk Load	n/a	n/a	n/a	n/a	n/a
SCSI Bus	1	1	1	1	1
Mean Time To Repair (MTTR)	<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 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

	Enterprise			
	G164	G238	G438	G638
Max/Min # slots	164	238	438	638
Raw Capacity TBs	9.8	14.3	26.3	38.3
Max/Min # Drives	12/2	12/2	12/2	12/2
Drive Increments	2	2	2	2
Max Power Requirements (W)	328	328	328	328
Weight				
Max Config (lbs/kgs)	490/223	490/223	555/252	860/391
Shipping weight (lbs/kgs)	695	695	850	1155
Dimensions				
Product (LxWxH) inches	35x28x68	35x28x68	35x35x68	35x42x68
Product (LxWxH) cm	89x71x173	89x71x173	89x89x173	89x107x173
Library Reliability (MSBF)	3,800,000	3,800,000	3,800,000	3,800,000
Robotics Access Time (sec)*	6.2	6.2	6.3	6.4
Picker Type	Dual	Dual	Dual	Dual
Import/Export Mail Slot	Single	Single	Single	Single
Bulk Load	10 disk	10 disk	10 disk	10 disk
SCSI Bus	1, 2 or 3	1, 2 or 3	1, 2 or 3	1, 2 or 3
Mean Time To Repair (MTTR)	<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
Operating Voltage (auto ranging)	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC

### Operating systems supported

IBM System p, AIX® 5.2 or later

IBM System x, Windows Server® 2003 SP1 and Windows Server 2003 R2

System x and Intel® 32-bit servers (x86), Linux® RHEL 5 kernel 2.6.18-8.el5, Linux RHEL

4.5 kernel 2.6.9-55.ELsmp and Linux SLES 9 SP3 kernel 2.6.5-7.252-bigsm

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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