

# G-Series

## Archival Storage Powered by UDO®

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.

# UDO2

### G-Series

Plasmon G-Series UDO libraries are the market leader for professional archival storage. They feature the industry's most reliable architecture that ensure 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 minimises 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 and has a future roadmap for 120GB and 240GB media capacities.



### 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 Plasmon's website for a complete list of certified software partners at [www.plasmon.com/solutions](http://www.plasmon.com/solutions).

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—G-Series Libraries Powered by UDO®

Model	Entry Level			Midrange		Enterprise			
	Gx24	Gx32	Gx80	Gx134	Gx174	G164	G238	G438	G638
Number of Slots	24	32	72 / 80	134	158 / 166 / 174	164	238	438	638
Capacity (60GB UDO)	1.44TB	1.92TB	4.32TB / 4.8TB	8TB	9.48TB / 10TB / 10.4TB	9.84TB	14.28TB	26.28TB	38.28TB
Number of Drives	1 or 2	1 or 2	4 / 2	2 or 4	6 / 4 / 2	2, 4, 6, 8, 10 or 12	2, 4, 6, 8, 10 or 12	2, 4, 6, 8, 10 or 12	2, 4, 6, 8, 10 or 12
Library Reliability (MSBF)	2,000,000	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 Ave. Exchange Time (Sec) <sup>1</sup>	6.1	6.1	6.1	8.3	8.3	6.1	6.2	6.3	6.4
Picker Type	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual
Import/Export Mail Slot	Single	Single	Single	Single	Single	Single	Single	Single	Single
Bulk Load	-	-	-	-	-	10-disk	10-disk	10-disk	10-disk
Warranty <sup>2</sup>	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year
Power Requirements (max Amps / watts)	3/150	3/150	3.5/195	3.5/213	3.5/213 <sup>3</sup>	6/430	6/430	6/430	6/430
Heat Dissipation (BTU/hr)	512	512	658/520	599 / 725	725 / 599	1459	1459	1459	1459
Options	Bar Code, Rack Mount, Display Kit			Bar Code, Display Kit		Bar Code, Redundant Power, 2 or 3 SCSI buses			
G-Series Library Interface	LVD (Auto-Sensing), SCSI 2 and SCSI 3 Compliant 68-pin High Density Female Connector								

Standalone Dimensions and Weight									
Height (cm)	77.5	77.5	77.5	138.8	138.8	172.3	172.3	172.3	172.3
Width (cm)	28.8	28.8	44.5	44.5	44.5	69.1	69.1	86.9	105
Depth (cm)	79.2	79.2	79.2	79.2	79.2	91.4	91.4	91.4	91.4
Net Weight (Kg)	43	43	57	124	124	223	223	287	350
Rack-mount Dimensions <sup>4</sup>									
Height (cm)	70.6 (16U)	70.6 (16U)	70.6 (16U)	-	-	-	-	-	-
Width (cm)	28.8	28.8	44.5	-	-	-	-	-	-
Depth (cm)	79.2	79.2	79.2	-	-	-	-	-	-

Shipping Dimensions and Weight									
Shipping Height (cm)	104.1	104.1	104.1	172.5	172.5	193	193	Expansion Module (1x or 2x) 184.2	
Shipping Width (cm)	59.7	59.7	59.7	59.7	59.7	124.5	124.5	85.9	
Shipping Depth (cm)	92.7	92.7	92.7	92.7	92.7	94	94	85.9	
Shipping Weight (Kg)	64	64	80	149	149	259	259	84 / 152	

Environmental Characteristics		Library Certifications	
Operating Temperature	10° to 32°C	Safety: <b>CE</b> UL 1950, cUL950, EN60950, IEC950	
Operating Humidity	10 to 90% RM (non-condensing)	Emission: FCC Class A, CISPR 22 Class A, EN55022 Class A	
Non-Operating Temperature	-30° to 60°C	Immunity: EN55024, EN61000-3-2, EN61000-3-3	
Operating Voltage	100 to 240 VAC (Auto ranging power supply)		
Operating Frequency	50/60 Hz		
UDO Certifications			
Safety	UL 60950-1:2003CSA C22.2 No. 60950-1-03EN 60825-1A2:2001DHHS, Title 21 CFR, Chapter 1, Sub-Chapter JCanadian REDR C1370 Class 1 Laser Product		
Emission	FCC CFR 47, Part 15, Subpart B, Class BCanadian ICES-003, Class B EN 55011/A2:2002, Class B EN 55022/A2:2003 Class B EN 61000-3-2:2000, with EN 61000-4-7:2002EN 61000-3-3/A1:2001		
Immunity	EN 55024/A2:2003		
RoHS	Complies with RoHS EU Directive 2002/ 95/EC		

Drive Characteristics	
Max Sustained Read Transfer Rate	Plasmon 5.25 inch 60GB UDO™ (Ultra Density Optical) 12MB/sec
Max Sustained Write Transfer Rate	6MB/sec (with verification)
Media Compatibility	Capacity 60GB (8192 bytes/sector, Read/Write)
Software Vendor Support	
	Visit <a href="http://www.plasmon.com/softwareguide/index.html">www.plasmon.com/softwareguide/index.html</a>

- 1 Average robotics movement and media exchange combined. Does not include drive load, spin and seek times.
- 2 First year on-site 3 day response, country specific, upgrades available.
- 3 Power requirements with 4 drives
- 4 Blanking panel available for Gx24/Gx32



## G-Series

Plasmon's Family of UDO Optical Libraries

Plasmon is ISO 9001:2000 certified



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