

Plasmon G-Series 5.25 inch optical libraries -- the market leaders for professional archive storage



G-SERIES

Plasmon G-Series 5.25 inch optical libraries are the market-leading solution for professional archival storage. They feature the industry's most reliable architecture and highest data availability and support multiple optical media to minimise the cost and frequency of media migration. Support for both 30GB UDO™ (Ultra Density Optical) and 9.1GB MO (Magneto Optical) storage technologies provides a backward-compatible archive platform built for the future. G-Series libraries include state-of-the-art features like dual pickers, hot/warm swappable drives, and redundant power supplies; and are available in a broad range of configurations to fit virtually any customer requirement. Models range from 24 to 638 slots, with fully populated UDO capacities ranging from 720GB to almost 20TB.

POWERED BY UDO

G-Series libraries feature UDO drives and media. The new standard in professional optical storage, blue laser-based UDO provide dramatically greater capacity than previous generation optical solutions, resulting in a particularly low Total Cost of Ownership. It also delivers true Write Once data integrity, using Phase Change technology that permanently alters the media recording surface. 30GB UDO cartridges are available with both true Write Once and Rewritable media, with a future roadmap to deliver larger capacities up to 120GB.



ARCHIVAL SOLUTIONS FOR ALL REQUIREMENTS

ENTRY LEVEL G-SERIES LIBRARIES

Professional archive libraries in a compact chassis with 1 or 2 drives, 24 or 32 disk slots, and storage capacities from 720GB to just under 1TB. Available stand-alone or with 19 inch rack mount kits.

MIDRANGE G-SERIES LIBRARIES

Solid, dependable optical archives with 2 or 4 drives, 72 to 174 slots and storage capacities from 2.1TB to 5.2TB. Available stand-alone or with 19 inch rack mount kits.

ENTERPRISE G-SERIES LIBRARIES

Providing the ultimate in capacity, scalability and reliability. Available with up to 12 drives, and field upgradable from 164 to 638 slots with capacities from 4.9TB to almost 20TB.

G-SERIES FOR IBM® OS/400™

G-Series Powered by UDO libraries are also available for IBM OS/400 users. See G-Series for IBM OS/400 information at: <http://www.plasmon.com/professional/os400.html>

FEATURES	BENEFITS
30GB UDO drive support	Highest capacity, fastest optical drive in the industry
Mixed MO and UDO support	Flexibility, investment protection, longevity
Dual Picker	Fastest access times
Auto-Calibration	Increased uptime, greater reliability
Bar code Scanner	Greater security, offline media management, fast media inventory
ENTERPRISE G-SERIES ONLY	
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 counts (up to 12)

TECHNICAL SPECIFICATIONS—G-SERIES 5.25 INCH OPTICAL LIBRARIES POWERED BY UDO™

Model	G-Series (Entry Level) Gx24/Gx32	G-Series (Midrange) Gx80	Gx134/Gx174	G-Series (Enterprise) G164	G238	G438	G638
Number of Slots	24 / 32	72 / 80	134 / 174	164	238	438	638
Capacity (30GB UDO)	720GB / 960GB	2.2TB / 2.4TB	4TB / 5.2TB	4.9TB	7.1TB	13.1TB	19.1TB
Number of Drives	1 or 2	4 / 2	2 or 4	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	3,800,000	3,800,000	3,800,000	3,800,000
Robotics Ave. Exchange Time (Sec) ¹	6.1	6.1	5.3	6.1	6.2	6.3	6.4
Picker Type	Dual	Dual	Dual	Dual	Dual	Dual	Dual
Import/Export Mail Slot	Single	Single	Single	Single	Single	Single	Single
Bulk Load	--	--	--	10-disk	10-disk	10-disk	10-disk
Warranty ²	1 year	1 year	1 year	1 year	1 year	1 year	1 year
Power Requirements (max Amps / watts)	3/150	3.5/195 / 3/150	3.5/213	6/430	6/430	6/430	6/430
Heat Dissipation (BTU/hr)	512	658/520	599 / 725	1459	1459	1459	1459
Options	Bar Code, Rack Mount, HVD Interface, Display Kit	Bar Code, Rack Mount, HVD Interface, Display Kit	Bar Code, HVD Interface, Display Kit	Bar Code, Red. Power, 2 or 3 buses, HVD Interface	Bar Code, Red. Power, 2 or 3 buses, HVD Interface	Bar Code, Red. Power, 2 or 3 buses, HVD Interface	Bar Code, Red. Power, 2 or 3 buses, HVD Interface
G-Series Library Interface	LVD (Auto-Sensing), SCSI 2 and SCSI 3 Compliant 68-pin High Density Female Connector, HVD SCSI Compliant 68-pin High Density Female Connector (VHDCI to HD68 cable)						

Dimensions and Weight-Standalone							
Height (cm)	77.5	77.5	138.8	172.3	172.3	172.3	172.3
Width (cm)	28.8	44.5	44.5	69.1	69.1	86.9	105
Depth (cm)	79.2	79.2	78.2	91.4	91.4	91.4	91.4
Net Weight (Kg)	43	57	124	223	223	287	350
Rack-mount dimensions ³							
Height (cm)	70.6 (16U)	70.6 (16U)	-	-	-	-	-
Width (cm)	28.8	28.8	-	-	-	-	-
Depth (cm)	78.2	78.2	-	-	-	-	-

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

Environmental Characteristics		Library Certifications	
Operating Temperature	10° to 32°C	Safety:	CE UL 1950, cUL950, EN60950, IEC950
Operating Humidity (non-condensing)	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		

Drive Characteristics		Software Vendor Support	
Plasmon 5.25 inch 30GB UDO™ (Ultra Density Optical)	Sony 5.25 inch 9.1GB (14x) Magneto Optical (MO)	Visit www.plasmon.com/softwareguide/index.html	
Max Sustained Read Transfer Rate	8MB/sec		
Max Sustained Write Transfer Rate	4MB/sec (with verification)		
Media Compatibility	Capacity 30GB (8192 bytes/sector, Read/Write)		

- 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 Blanking panel available for Gx24/Gx32

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Plasmon's Family of 5.25 inch Optical Libraries

Plasmon is ISO 9001 certified



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