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

POWERED BY

UDO

ULTRA DENSITY OPTICAL

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 minimize 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 provides 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. A future roadmap delivers larger capacities up to 120GB.

Optional Display kit, including windows and lighting, now available in Gx24 through Gx174 libraries

An Archival Solution for Every Need

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 218GB 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 2.2TB GB to 5.2TB. Available stand-alone or some 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
Industry-leading durability and reliability	24x7 uptime
Enterprise Libraries	
10-slot Bulk Magazine	Faster loading and unloading
Scalability using expansion modules	Investment protection, cost-effective
Hot Swappable Drives	Increased uptime
Redundant Power Supplies	Increased uptime
Multiple Bus Configurations	Increased performance and drive counts (up to 12)

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Technical Specifications— G-Series 5.25 inch Optical Libraries powered by UDO®

	Entry level	Midrange			Enterprise			
Model	**Gx24 / Gx32**	**Gx80**	**Gx134**	**Gx174**	**G164**	**G238**	**G438**	**G638**
Number of Slots	24 / 32	72 / 80	134	166 / 174	164	238	438	638
Capacity (9.1GB Magneto Optical)	218GB / 291GB	655GB / 728GB	1.2TB	1.5TB / 1.58TB	1.5TB	2.2TB	4TB	5.8TB
Capacity (30GB UDO)	720GB / 960GB	2.2TB / 2.4TB	4TB	4.9TB / 5.2TB	4.9TB	7.1TB	13.1TB	19.1TB
Number of Drives	1 or 2	2 or 4	2 or 4	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	3,800,000	3,800,000	3,800,000	3,800,000
Robotics Ave. Exchange Time (Sec)*	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
Import/Export Mail Slot	Single	Single	Single	Single	Singlel	Single	Single	Single
Bulk Load	--	--	--	--	10-disk	10-disk	10-disk	10-disk
Warranty**	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year
Power Requirements (max Amps / watts)	3A/150W	3.5A / 195W / 3A / 150W	3.5A / 213W	3.5A / 213W	6A / 430W	6A / 430W	6A / 430W	6A / 430W
Heat Dissipation (BTU/hr)	512	658 /520	599 / 725	725 / 599	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, 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							

Dimensions and Weight-Standalone								
Height (in)/(cm)	30.5 / 77.5	30.5 / 77.5	54.6 / 138.8	54.6 / 138.8	68 / 172.3	68 / 172.3	68 / 172.3	68 / 172.3
Width (in)/(cm)	11.1 / 28.8	17.5 / 44.5	17.5 / 44.5	17.5 / 44.5	27.2 / 69.1	27.2 / 69.1	34.2 / 86.9	41.2 / 105
Depth (in)/(cm)	31.2 / 79.2	31.2 / 79.2	30.8 / 78.2	30.8 / 78.2	36 / 91.4	36 / 91.4	36 / 91.4	36 / 91.4
Net Weight (lbs)/(Kg)	95 / 43	125 / 57	273 / 124	273 / 124	491 / 223	491 / 223	631 / 287	771 / 350

Shipping Dimensions and Weight							Expansion Module (1x or2x)	
Shipping Height (in)/(cm)	43 / 104.1	43 / 104.1	67.9 / 172.5	67.9 / 172.5	76 / 193	76 / 193	72.5/184.2	
Shipping Width (in)/(cm)	23.5 / 59.7	23.5 / 59.7	23.5 / 59.7	23.5 / 59.7	49 / 124.5	49 / 124.5	33.8 / 85.9	
Shipping Depth (in)/(cm)	36.5 / 92.7	36.5 / 92.7	36.5 / 92.7	36.5 / 92.7	37 / 94	37 / 94	33.8 / 85.9	
Shipping Weight (lbs)/(Kg)	140 / 64	175 / 80	328.5 / 149	328.5 / 149	571 / 259	571 / 259	185 / 84	

Environmental Characteristics		**Library Certifications**	**UDO Certifications**	
Operating Temperature (F)/(C)	50° to 90° F / 10° to 32° C	Safety: UL 1950, cUL950, EN60950, IEC950	Safety:	UL 60950-1:2003CSA C22.2 No. 60950-1-03EN 60950-1:2001EN 60825-1/A2:2001DHHS Title 21 CFR, Chapter 1, Sub-Chapter JCanadian REDR C1370Class 1 Laser Product
Operating Humidity (non-condensing)	10 to 90% RM (non-condensing)	Emission: FCC Class A, CISPR 22 Class A, EN 55022 Class A		
Non-Operating Temperature (F)/(C)	-22° to 140° F / -30° to 60° C	Immunity: EN 55024/A2:2003	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
Operating Voltage	100 to 240 VAC (Auto ranging power supply)			
Operating Frequency	50 / 60 Hz		Immunity:	EN 55024/A2:2003

Drive Characteristics	Plasmon 5.25 inch 30GB UDO™ (Ultra Density Optical)	Sony 5.25 inch 9.1GB (14x) Magneto Optical (MO)
Maximum Sustained Read Transfer Rate	8MB/sec	6.1MB/sec
Maximum Sustained Write Transfer Rate	4MB/sec (with verification)	3MB/sec (with verification)
Media Compatibility	Capacity 30GB (8192 bytes/sector), Read / Write	9.1GB, 8.6GB, 5.2GB, 4.8GB, 4.1GB, 2.6GB, 2.3GB, 1.3GB, 1.2GB, 650MB, 600MB
Software Vendor Support	Visit www.plasmon.com/softwareguide	

Plasmon is ISO 9001 certified

* Average robotics movement and media exchange combined. Does not include drive load, spin and seek times.

** First year on-site 5x9xNext Business Day

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Plasmon's Family of 5.25 inch Optical Libraries