

# G-SERIES

5.25 INCH OPTICAL LIBRARIES POWERED BY UDO™

*Plasmon G-Series 5.25 inch optical libraries – the market leader 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 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 corresponding capacities from 218GB 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, with a future roadmap delivering larger capacities up to 120GB.



## 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 104 slots and storage capacities from 655GB to 3.1TB. 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 is field upgradable from 164 to 638 slots with capacities from 1.5TB to almost 20TB.



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
Barcode Scanner	Greater security, offline media management, fast media inventory
Industry-leading durability and reliability	24x7x365 uptime, 30-240GB UDO roadmap
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™

	G-Series (Entry level)	G-Series (Midrange)	G-Series (Enterprise)				
Model	G24/G32	G72/G80	G104	G164	G238	G438	G638
Number of Slots	24 / 32	72 / 80	104	164	238	438	638
Capacity (Magneto Optical)	218GB / 291GB	655GB / 728GB	946GB	1.5TB	2.2TB	4TB	5.8TB
Capacity (UDO)	720GB / 960GB	2.2TB / 2.4TB	3.1TB	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	3,800,000	3,800,000	3,800,000	3,800,000	3,800,000
Robotics Ave. Exchange Time (Sec)*	5.5	5.5	5.5	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**	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 / 150	3 / 195	6 / 395	6 / 395	6 / 395	6 / 395
Heat Dissipation (BTU/hr)	512	658 / 520	658	1344	1344	1344	1344
Options	Bar Code, Rack Mount, HVD Interface	Bar Code, Rack Mount, HVD Interface	Bar Code, Rack Mount, 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	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						
<b>Dimensions and Weight-Standalone</b>							
Height (in)/(cm)	30.5 / 77.5	30.5 / 77.5	46 / 116.8	68 / 172.3	68 / 172.3	68 / 172.3	68 / 172.3
Width (in)/(cm)	11.1 / 28.8	17.5 / 44.5	18.9 / 48	27.2 / 69.1	27.2 / 69.1	34.2 / 86.9	41.2 / 105
Depth (in)/(cm)	30.8 / 78.2	30.8 / 78.2	32.6 / 82.8	36 / 91.4	36 / 91.4	36 / 91.4	36 / 91.4
Net Weight (lbs)/(Kg)	95/43	125 / 59	241 / 109	491 / 223	491 / 223	631 / 287	771 / 350
<b>Shipping Dimensions and Weight (est.)</b>							
Shipping Height (in)/(cm)	41 / 104.1	41 / 104.1	60 / 152.4	76 / 193	76 / 193	Expansion Module (1x or 2x) 72.5 / 184.2	
Shipping Width (in)/(cm)	23.5 / 59.7	23.5 / 59.7	47 / 119.4	49 / 124.5	49 / 124.5	33.8 / 85.9	
Shipping Depth (in)/(cm)	36.5 / 92.7	36.5 / 92.7	29 / 73.7	37 / 94	37 / 94	33.8 / 85.9	
Shipping Weight (lbs)/(Kg)	140 / 64	175 / 80	349 / 158	571 / 259	571 / 259	185 / 84	
<b>Environmental Characteristics</b>							
Operating Temperature (F)/(C)	50° to 90° F / 10° to 32° C						
Operating Humidity (non-condensing)	10 to 90% RM (non-condensing)						
Non-Operating Temperature (F)/(C)	-22° to 140° F / -30° to 60° C						
Operating Voltage	100 to 240 VAC (Auto ranging power supply)						
Operating Frequency	50 / 60 Hz						
<b>Drive Characteristics</b>							
	Plasmon 5.25 inch 30GB Ultra Density Optical (UDO™)		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				
Certifications	Safety UL 1950, cUL950, EN60950, IEC950 / Emission FCC Class A, CISPR 22 Class A, EN55022 Class A / Immunity EN55024, EN61000-3-2, EN61000-3-3						
Software Vendor Support	Visit <a href="http://www.plasmon.com/softwareguide">www.plasmon.com/softwareguide</a>						

\* 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  
**Plasmon is ISO 9001 certified**



PLASMON, INC.  
U.S. SALES & MARKETING  
400 INVERNESS PARKWAY, STE 310  
ENGLEWOOD, CO 80112  
TEL: 800-451-6845  
FAX: 720-873-2501  
SALES@PLASMON.COM  
WWW.PLASMON.COM

PLASMON DATA LTD.  
EUROPEAN SALES & MARKETING  
WHITING WAY, MELBOURN  
HERTFORDSHIRE, SG8 6EN  
TEL: +44 (0) 1763 262963  
FAX: +44 (0) 1763 264444  
SALES@PLASMON.CO.UK  
WWW.PLASMON.CO.UK

PLASMON, INC.  
US MANUFACTURING  
4425 ARROWSWEST DRIVE  
COLORADO SPRINGS, CO 80907  
TEL: 719-593-7900  
FAX: 719-593-4597  
SALES@PLASMON.COM  
WWW.PLASMON.COM

