

G-SERIES FOR IBM® i5/OS™

THE MARKET LEADERS FOR PROFESSIONAL ARCHIVE STORAGE

30GB UDO Enterprise Libraries natively supported by IBM i5/OS provide a secure, scalable archival storage solution

G-SERIES LIBRARIES FOR IBM i5/OS

Natively supported by IBM i5/OS, Plasmon's market leading G-Series for IBM i5/OS libraries offer secure, long-term archival storage and the most scalable, feature-rich optical solutions available to i5/OS customers. 30GB UDO provides almost 6x the capacity of the 5.2GB optical technology used in the IBM 3995. The libraries provide state-of-the-art features including dual pickers, redundant power supplies, bar code scanners hot swappable drives and simultaneous use of 9.1GB MO and 30GB UDO drives in the same library. They are available in a broad series of configurations, with models ranging from 24 to 638 slots, and corresponding fully populated capacities from 2.2TB to nearly 20TB.

ULTRA DENSITY OPTICAL

All G-Series libraries for IBM i5/OS support UDO™ (Ultra Density Optical) technology with PTFs installed for V5R3 and above. The new standard in professional optical storage, blue laser-based UDO provides dramatically greater capacity and exceptionally low Total Cost of Ownership. UDO delivers true Write Once data integrity, using Phase Change technology that permanently alters the media recording surface. 30GB cartridges are available in both true Write Once and Rewritable media, with future versions delivering larger capacities including 60GB, 120GB and 240GB.



ENTERPRISE CLASS ARCHIVAL STORAGE SOLUTIONS

G-SERIES LIBRARIES FOR IBM i5/OS

Providing the ultimate in capacity and reliability. Available with up to 12 drives, from 238 to 638 disk slots and archive capacities from 7.1TB to nearly 20TB.

IBM 3996 UDO LIBRARIES

Also available are entry level and midrange libraries sold and supported by IBM as the new 3996 storage solutions, from 32 to 174 slots with capacities ranging from 960GB to 5.2GB.

Model	IBM 3996 Optical Libraries			Plasmon G-Series for IBM OS/400		
	32	80	174	G238	G438	G638
Max capacity	960GB	2.4TB	5.2TB	7.1TB	13.1TB	19.1TB
slot count	32	72 / 80	166 / 174	238	438	638
Drive count	2	4 / 2	4 / 2	12	12	12

FEATURES	BENEFITS
30GB UDO drives and media	Highest capacity archival libraries
30GB - 240GB UDO roadmap	Investment protection
Mixed MO and UDO configurations	Transition to even greater capacity and scalability
Redundant power supplies	Increased uptime
Dual picker	Faster access times and improved availability
Auto-calibration	Increased uptime and greater reliability
Industry Leading Robotics	Increased durability and reliability
Scalability using expansion modules	Investment protection
Hot swappable drives	Increased uptime
Redundant power supplies	Increased uptime
Barcode Reader	Greater security, offline media management, fast media inventory



TECHNICAL SPECIFICATIONS— G-SERIES FOR IBM i5/OS

G-Series (Enterprise)

Model	G238	G438	G638
Number of Slots	238	438	638
Capacity (30GB UDO) ³	7.1TB	13.1TB	19.1TB
Number of Drives ⁴	2, 4, 6, 8, 10 or 12	2, 4, 6, 8, 10 or 12	2, 4, 6, 8, 10 or 12
Library Reliability (MSBF)	3,800,000	3,800,000	3,800,000
Robotics Ave. Exchange Time (Sec) ¹	6.2	6.3	6.4
Picker Type	Dual	Dual	Dual
Import/Export Mail Slot	Single	Single	Single
Bulk Load ⁴	10-disk	10-disk	10-disk
Warranty ²	1 year	1 year	1 year
Power Requirements (max Amps / watts)	6A / 430W	6A / 430W	6A / 430W
Heat Dissipation (BTU/hr)	1459	1459	1459
Options ⁴	Bar Code, Redundant Power, 2 buses	Bar Code, Redundant Power, 2 buses	Bar Code, Redundant Power, 2 buses
G-Series Library Interfaces	LVD (Auto-Sensing), SCSI 2 and SCSI 3 Compliant 68-pin High Density Female Connector		
Dimensions and Weight-Standalone			
Height (in)/(cm)	68 / 172.3	68 / 172.3	68 / 172.3
Width (in)/(cm)	27.2 / 69.1	34.2 / 86.9	41.2 / 105
Depth (in)/(cm)	36 / 91.4	36 / 91.4	36 / 91.4
Net Weight (lbs)/(Kg)	491 / 223	631 / 287	771 / 350
Shipping Dimensions and Weight			
		Expansion Module (1x or 2x)	
Shipping Height (in)/(cm)	76 / 193	72.5/184.2	
Shipping Width (in)/(cm)	49 / 124.5	33.8 / 85.9	
Shipping Depth (in)/(cm)	37 / 94	33.8 / 85.9	
Shipping Weight (lbs)/(Kg)	571 / 259	185 / 84	
Environmental Characteristics			
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		
Drive Characteristics			
	5.25 inch 30GB UDO™ (Ultra Density Optical)		5.25 inch 9.1GB (14x) 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, 4.6GB, 4.1GB, 2.6GB, 2.3GB, 1.3GB, 1.2GB, 600MB, 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		



Plasmon's Enterprise Family

**Plasmon is ISO
9001 certified**



POWERED BY
UDO

¹ Average robotics movement and media exchange combined. Does not include drive load, spin and seek times.

² First year on-site 5x9xNext Business Day.

³ UDO and mixed media are supported with v5r3 and above.

⁴ Supported in V5R3 and above: Bar Code & Bulk Load, Dual Bus for LVD supporting greater than 6 drives.

For a list of i5/OS supported hardware, adaptors and PTF's, please visit:

<http://www-1.ibm.com/servers/eserver/series/optical/plasmon/attachment.htm>

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