

# 3996 Compatible G Series Libraries for IBM



IBM Power Systems, System i, System p, and System x servers along with Plasmon G-Series libraries using UDO technology deliver uncompromised data archive solutions for industry and government.

The libraries provide state-of-the-art features including dual pickers, redundant power supplies, bar code scanners, hot swappable drives and simultaneous use of MO, UDO1, and UDO2 drives in the same library. They are available in a broad series of configurations, with models ranging from 20 to 638 slots, and corresponding fully populated capacities from 4.8TB to 38.3TB.



**G Series Libraries for IBM**

### Gx-Series Entry-Midrange Scalable Libraries

The slot licensed Gx 80 Entry library can be configured with 2 or 4 drives, and scales to up to 80 slots or 4.8 TB. Available standalone or with 19 inch rack mount kit. The Gx174 Midrange can be configured with 2, 4 or 6 drives, scaling up to 174 slots with a storage capacity of 10.4 TB.

### G Series Enterprise Libraries

Storage capacity can be increased incrementally as archiving demands increase. Choose from four different models that scale to meet future archiving requirements. Add drives and slots to scale the 164 base model to the 238 within the same cabinet; add expansion bays to scale from the 238 to the 438, or the 438 to the 638. Capacities range and scale from 9.8TB to 38.3TB.

### Benefits at a glance:

- Ready for IBM Technology - Plasmon G-Series libraries are IBM System Storage Proven for IBM Power Systems, System i, System p, and System x servers.
- Best-in-class data archiving solutions for both public and private sectors.
- Long-term Data Retention - all libraries utilize UDO1, UDO2, or MO media to provide long-term (>50 yrs), secure data retention.
- Flexible Data Management Supports rewritable and permanent write-once/read-many (WORM) technologies in a single library.
- Entry Level to Enterprise Models providing the ultimate in capacity and reliability, available with up to 12 drives, from 20 to 638 disk slots and archive capacities from nearly 4TB to over 38TB.

Features	Benefits
Scalability using expansion modules	Investment protection
Multiple Bus Configurations	Increased performance and drive count
Mixed MO and UDO support	Flexibility, investment protection, longevity
10-slot Bulk Magazine	Faster loading and unloading

### Application Support

Visit Alliance Storage Technologies website for additional information: [www.alliancestoragetechnologies.com](http://www.alliancestoragetechnologies.com).

# G Series Library Specifications

Specifications	Gx80	Gx174	G164	G238	G438	G638
Min/Max # Slots	20/80	100/174	162/164	236/238	436/438	636/638
Backup Media Slots	2	2	2	2	2	2
Max Raw Capacity TBs	4.8	10.4	9.8	14.3	26.3	38.3
Min/Max Drives	2/4	2/6	2/6	2/6	2/6	2/6
Drive Increments	2	2	2	2	2	2
Power (W) w/Max Configuration Note: power rating is dependent on # of drives & power supplies						
Min Power Requirement (W)	108	120	115	115	115	115
Max Power Requirement (W)	230	283	410	410	410	410
Library Weight						
Max Config (lbs/kgs)	149/68	240/109	468/212	468/212	440/200	412/187
Library Dimensions						
Product (LxWxH) inches	32x18x31	32x18x55	35x28x68	35x28x68	35x34x68	35x41x68
Product (LxWxH) cm	81x46x79	81x46x140	89x71x173	89x71x173	89x87x173	89x104x173
Shipping Weight						
Library (lbs/kgs)	220/100	340/154	670/304	670/304	642/291	614/279
Expansion Bay (lbs/kgs)	-	-	-	-	198/90	309/140
Shipping Dimensions						
Library (LxWxH) inches	37x32x43	37x32x67	48x37x77	48x37x77	48x37x77	48x37x77
Expansion Bay (LxWxH) inches	-	-	-	-	35x34x72	35x34x72
Library Reliability (MSBF)	2,000,000	2,000,000	3,800,000	3,800,000	3,800,000	3,800,000
Bulk Load	-	-	10 Disk	10 Disk	10 Disk	10 Disk
Robotics Access Time (sec*)	7.3	8.3	6.2	6.2	6.3	6.4
Media Transport Assembly (MTA)	Dual	Dual	Dual	Dual	Dual	Dual
Import/Export Mail Slot	Single	Single	Single	Single	Single	Single
Mean Time To Repair	< 2 Hours	< 2 Hours	< 4 Hours	< 4 Hours	< 4 Hours	< 4 Hours
Operating Temperature	50-90F/10-32C	50-90F/10-32C	50-90F/10-32C	50-90F/10-32C	50-90F/10-32C	50-90F/10-32C
Operating Voltage (auto ranging)	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC
Heat Dissipation (Min-Max BTU/hr)			566-1365	566-1365	566-1365	566-1365
Library UDO Drive Connectivity	SCSI	SCSI	SCSI	SCSI	SCSI	SCSI
Options	Rack Mount	Rack Mount	Redundant Power	Redundant Power	Redundant Power	Redundant Power

## ASTI Services & Support

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