

# 3996 Compatible G-series Libraries For IBM

## Benefits at a glance

### >Ready for IBM Technology

The Plasmon G-Series libraries are IBM System Storage Proven for IBM Power Systems, System i, System p, and System x servers

### >Deliver uncompromised data archive solutions

for healthcare, financial, enterprise content management, broadcast and media as well as any other company looking to manage their data retention requirements

### >Long-term Data Retention

All libraries utilize UDO 2 media to provide long-term (>100yrs), secure, data retention.

### >Flexible Data Management

Supports rewritable and permanent write-once/read-many (WORM) recording technologies in a single library

### >Entry Level to Enterprise Models

Providing the ultimate in capacity and reliability, available with up to 12 drives, from 32 to 638 disk slots and archive capacities from nearly 2TB to over 38TB



Exclusive Manufacturer of  
**Plasmon**  
STORAGE TECHNOLOGIES

## Enterprise Class Archival Storage Solutions

### 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 healthcare, financial, enterprise content management, broadcast and media as well as any other company looking to manage their data retention, e-Discovery and compliance requirements. 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, and UDO2 drives in the same library. They are available in a broad series of configurations, with models ranging from 32 to 638 slots, and corresponding fully populated capacities from 1.9TB to 33.8TB.

### Archival Solutions for all Requirements

#### Entry Level G-Series Library

Professional libraries in a compact chassis with 1 or 2 drives, 24 or 32 disk slots, and a total storage capacity of 1.44TB to 1.9TB. Available standalone or with 19 inch rack mount kit.

#### Midrange G-Series Libraries

Reliable mid-range libraries can be configured with 2, 4, or 6 drives, 72 to 174 slots and storage capacities from 4.2TB to 10.4TB. All models are available as standalone configurations and the Gx80 can also be ordered with a 19 inch rack mount kit.

#### Enterprise G-Series Libraries

Enterprise class G-Series libraries provide the ultimate in scalability, and reliability. They can be configured with up to 12 drives and are field upgradeable from 164 to 638 slots, expanding system capacity from 10TB to 38TB.

### Application Support

The G-Series UDO libraries are supported by a comprehensive list of independent software vendors offering a wide range of solutions including: data and storage resource management, content and document management, medical imaging and email archiving. Visit Alliance's website for a complete list of certified software partners at [www.alliancestoragetechnologies.com](http://www.alliancestoragetechnologies.com).

| Key Features                        | Customer 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                  |

## Technical Specifications for G-Series

|                                  | Entry level      |                  |                  | Mid-range        |                  |
|----------------------------------|------------------|------------------|------------------|------------------|------------------|
|                                  | Gx24             | Gx32             | Gx80             | Gx134            | Gx174            |
| Max/Min # slots                  | 24/24            | 32/32            | 80/72            | 134              | 174/166          |
| Raw Capacity TBs                 | 1.4              | 1.9              | 4.8              | 8                | 10.4             |
| Max/Min # Drives                 | 2/1              | 2/1              | 4/2              | 4/2              | 4/2              |
| Drive Increments                 | 1                | 1                | 2                | 2                | 2                |
| Max Power Requirements (W)       | 171              | 171              | 212              | 246              | 246              |
| Weight                           |                  |                  |                  |                  |                  |
| Max Config (lbs/kgs)             | 110/50           | 110/50           | 145/66           | 240/109          | 240/109          |
| Shipping weight (lbs/kgs)        | 160              | 160              | 205              | 315              | 315              |
| Dimensions                       |                  |                  |                  |                  |                  |
| Product (LxWxH) inches           | 32x12x31         | 32x12x31         | 32x18x31         | 32x18x55         | 32x18x55         |
| Product (LxWxH) cm               | 81x30x79         | 81x30x79         | 81x46x79         | 81x46x140        | 81x46x140        |
| Library Reliability (MSBF)       | 2,000,000        | 2,000,000        | 2,000,000        | 2,000,000        | 2,000,000        |
| Robotics Access Time (sec)*      | 7                | 7                | 7.3              | 8.3              | 8.3              |
| Picker Type                      | Dual             | Dual             | Dual             | Dual             | Dual             |
| Import/Export Mail Slot          | Single           | Single           | Single           | Single           | Single           |
| Bulk Load                        | n/a              | n/a              | n/a              | n/a              | n/a              |
| SCSI Bus                         | 1                | 1                | 1                | 1                | 1                |
| Mean Time To Repair (MTTR)       | <4 hours         | <4 hours         | <4 hours         | <4 hours         | <4 hours         |
| Operating Temperature            | 50–90F<br>10–32C | 50–90F<br>10–32C | 50–90F<br>10–32C | 50–90F<br>10–32C | 50–90F<br>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   |

|                                  | Enterprise     |                |                |                |
|----------------------------------|----------------|----------------|----------------|----------------|
|                                  | Gx164          | G238           | G438           | G638           |
| Max/Min # slots                  | 164            | 238/238        | 438/438        | 638/638        |
| Raw Capacity TBs                 | 9.8            | 14.3           | 26.3           | 38.3           |
| Max/Min # Drives                 | 12/2           | 12/2           | 12/2           | 12/2           |
| Drive Increments                 | 2              | 2              | 2              | 2              |
| Max Power Requirements (W)       | 328            | 328            | 328            | 328            |
| Weight                           |                |                |                |                |
| Max Config (lbs/kgs)             | 490/223        | 490/223        | 555/252        | 860/391        |
| Shipping weight (lbs/kgs)        | 695            | 695            | 850            | 1155           |
| Dimensions                       |                |                |                |                |
| Product (LxWxH) inches           | 35x28x68       | 35x28x68       | 35x35x68       | 35x42x68       |
| Product (LxWxH) cm               | 89x71x173      | 89x71x173      | 89x89x173      | 89x107x173     |
| Library Reliability (MSBF)       | 3,800,000      | 3,800,000      | 3,800,000      | 3,800,000      |
| Robotics Access Time (sec)*      | 6.2            | 6.2            | 6.3            | 6.4            |
| Picker Type                      | Dual           | Dual           | Dual           | Dual           |
| Import/Export Mail Slot          | Single         | Single         | Single         | Single         |
| Bulk Load                        | 10 disk        | 10 disk        | 10 disk        | 10 disk        |
| SCSI Bus                         | 1, 2 or 3      | 1, 2 or 3      | 1, 2 or 3      | 1, 2 or 3      |
| Mean Time To Repair (MTTR)       | <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  |
| Operating Voltage (auto ranging) | 100 to 240 VAC | 100 to 240 VAC | 100 to 240 VAC | 100 to 240 VAC |

### Systems Supported:

Power Systems, Systems i, Systems p, and System x

Alliance Storage Technologies offers the only enterprise-class active archive solution that ensures data permanence, authenticity, access, longevity and removability, at the low total cost of ownership that businesses demand.

Archive Without Compromise.™

Alliance is ISO 9001 certified.

© 2009 Alliance Storage Technologies, Inc. All rights reserved. Plasmon, the Plasmon logo, Archive Without Compromise, UDO, the UDO logo, UD02, the UD02 logo, UDO Archive Appliance and the UDO Archive Appliance logo are trademarks or registered trademarks of Alliance Storage Technologies, Inc. All other trademarks are the property of their respective owners.

DS\_3996CGSLIBM 10.09



*Global Sales & Marketing*

Alliance Storage Technologies, Inc.

9925 Federal Parkway

Colorado Springs, CO 80921

Tel: 719-593-7900

Fax: 719-593-4164

[alliancestorage.com](http://alliancestorage.com)