

# 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) <sup>3</sup>               | 7.1TB   | 13.1TB                             | 19.1TB  |
| Number of Drives <sup>4</sup>                  | 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) <sup>1</sup> | 6.2   | 6.3                                | 6.4   |
| Picker Type                                    | Dual  | Dual                               | Dual  |
| Import/Export Mail Slot                        | Single  | Single                             | Single  |
| Bulk Load <sup>4</sup>                         | 10-disk   | 10-disk                            | 10-disk   |
| Warranty <sup>2</sup>                          | 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 <sup>4</sup>                           | 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  |                                    |   |
| <b>Dimensions and Weight-Standalone</b>        |   |                                    |   |
| 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   |
| <b>Shipping Dimensions and Weight</b>          |   |                                    |   |
|  |   | 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                           |   |
| <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>                   |   |                                    |   |
|  | 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 |
| <b>Certifications</b>                          | Safety: UL 1950, cUL950, EN60950, IEC950<br>Emission: FCC Class A, CISPR 22 Class A, EN55022 Class A<br>Immunity: EN55024, EN61000-3-2, EN61000-3-3 |                                    |   |



Plasmon's Enterprise Family

**Plasmon is ISO 9001 certified**



POWERED BY  
**UDO**

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

<sup>2</sup> First year on-site 5x9xNext Business Day.

<sup>3</sup> UDO and mixed media are supported with v5r3 and above.

<sup>4</sup> 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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