

PLASMON SOLUTIONS

ENTERPRISE D-SERIES DVD OPTICAL LIBRARIES

PRODUCT OVERVIEW

Plasmon's Enterprise D-Series libraries are the highest capacity professional grade DVD/CD solutions in the industry, delivering confidence in reliability through simplicity in design. Enterprise D sets the standard in value by becoming the most cost-effective DVD solution for enterprise level applications.

The Enterprise D library family is available in three models: D875, D1525 and the D2175 with slot counts ranging from 750 to 2175 discs. Capacity ranges from 7TB to more than 20TB, making them among the largest capacity DVD/CD libraries in the world -- with space efficiency at nearly 2 terabytes per square foot of floor space. Depending on drive configurations, these models enable up to 12 Multi Drives supporting DVD-RAM, DVD-R, DVD-RW, CD-R and CD-RW, balancing performance with flexibility. Maximum capacities and densities are achieved through the use of Plasmon's patented Rotation Station™ and tray-based media utilizing double-sided 9.4GB media.

Enterprise D provides performance, reliability and scalability through its proven design. By leveraging the high performance design of Plasmon's G-Series



Magneto Optical (MO) libraries, Enterprise D utilizes the most durable robotics for enterprise sized DVD/CD libraries in the industry. The patented dual-picker in Enterprise D is also available in the popular Plasmon D-Series product family. True scalability comes from the use of a base unit and up to two 650-slot expansion modules. Combined with auto-calibration, each expansion module is installed in minutes, not hours.

DVD - READY FOR MISSION-CRITICAL APPLICATIONS

With reliability and availability paramount in the datacenter, Enterprise D delivers with optional redundant power supplies, multiple SCSI bus configurations, and 2,500,000 Mean Swaps Between Failure (MSBF). Data availability is maximized by eliminating any scheduled preventative maintenance during the expected life of the product, and the Mean Time To Repair (MTTR) remains at less than 30 minutes. For added data security, ten-disc magazines are used for operator handling of media. All key components and media magazines are accessible via the front door with no side access to the unit required.

DRIVES AND MEDIA

Plasmon's Enterprise D-Series libraries come standard with Plasmon's patented Rotation Station™ supporting double-sided 9.4GB media, along with newly integrated Multi Drives for optimum performance and flexibility. These drives support reading and writing of DVD-RAM, DVD-R, DVD-RW, CD-R and CD-RW. DVD-R offers Write-Once-Read-Many (WORM) protection along with 9.4GBs of capacity and high throughput. DVD-RAM is rewriteable and is also available in double-sided 9.4GB media.

HIGH CAPACITY, SCALABLE, AND RELIABLE -

Cost effective nearline data storage for archive applications and data protection

- Multi Drives read and write DVD-R, DVD-RAM, DVD-RW, CD-R, and CD-RW formats in a single drive
- Scalability come from a modular design ranging from 7TB to over 20TB and up to 12 Multi Drives
- Tray based media means maximum capacities - 2TB/sq. ft. of floor space
- Redundant power supplies for mission critical availability
- Dual-picker technology for fast disc exchanges
- LVD interfaces for flexible configurations and extended cable lengths
- Magazines and drives are accessible via the front door for faster service
- Libraries are self-configuring and feature automatic alignment of robotics for greater reliability

(For a complete list of compatible software solutions and vendors, visit: www.plasmon.com/softwareguide)



www.plasmon.com



ENTERPRISE D-SERIES SPECIFICATIONS

Enterprise D-Series	D875	D1525	D2175
Number of Slots*	750 - 875	1400 - 1525	2050 - 2175
Library Capacity (TB)*	7.05 - 8.22	13.1 - 14.3	19.2 - 20.4
Maximum Number of Drives	12	12	12
Library Reliability (MSBF)	>2,500,000	>2,500,000	>2,500,000
Robotics Ave. Access Time (sec)**	6.3	6.5	6.8
Rotation Station™	Included	Included	Included
Picker Type	Dual	Dual	Dual
Import/Export Mail Slot	Single 10-slot magazine	Single 10-slot magazine	Single 10-slot magazine
Removable Storage Slots	5 10-slot magazines	5 10-slot magazines	5 10-slot magazines
Warranty***	1 year	1 year	1 year
Library Interface	LVD (Auto-Sensing), SCSI 2 and SCSI 3 Compliant 68-pin High Density Female Connector		
Dimensions - Standalone****			
Height (in)/(cm)	68.0 / 172.3	68.0 / 172.3	68.0 / 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
Weight (lbs)/(kgs)	491 / 223	631 / 287	771 / 350
Shipping Dimensions and Weight		Expansion Module (1x)	Expansion Module (2x)
Height (in)/(cm)	76 / 193	72.5 / 184.2	72.5 / 184.2
Width (in)/(cm)	49 / 124.5	34.5 / 86.3	34.5 / 86.3
Depth (in)/(cm)	37 / 94	35 / 89	35 / 89
Shipping Weight (lbs)/(kgs)	571 / 259	185 / 84	325 / 147.2
Environmental Characteristics			
Operating Temperature (F)/(C)	50 to 90 F / 10 to 32 C		
Operating Humidity	10 to 90% RH (non-condensing)		
Operating Voltage	100 to 240 VAC (Auto-ranging power supply)		
Operating Frequency	50 / 60 Hz		
Non-Operating Temperature (F)/(C)	-40 to +158 F / -40 to +70 C		
Power Consumption (2 drives)	145 W / 495 Btu/hr		
Power Consumption (maximum)	322 W / 1098 Btu/hr		
Power Requirements	6A / 350W		
Certifications			
Safety	UL Standard 1950, 2nd Edition: 1995 Safety of Information Technology Equipment		
Emission	CSA Standard C22.2 No. 950-95, Safety of Information Technology Equipment		
Immunity	EN 60950: 1992 +A1 +A2 +A3 +A4 +A11 Safety of Information Technology Equipment		
Multi Drive Characteristics		Write Compatibility	
Model Number	DVD9571D	4.7GB DVD-RAM, 2.6GB DVD-RAM, 4.7GB DVD-R (for General ver2.0), 4.7GB DVD-RW (ver 1.1), CD-R, CD-RW	
Interface	SCSI using ATAPI / SCSI converter	CD-DA ¹ , CD-ROM/XA, Photo CD, Video CD, CD-Extra, CD-R ^{2,3}	
Capacity	4.7GB / 9.4GB DVD-RAM (rewriteable)	Read Compatibility CD-RW ^{2,3} , DVD-ROM, DVD-R ^{2,3} , DVD-RW ² , DVD-Video, DVD-RAM (4.7GB, 2.6GB)	
	2.6GB / 5.2GB DVD-RAM (rewriteable)		
	4.7GB DVD-R for General Use (write-once)		
	4.7GB DVD-RW (rewriteable) Ver. 1.1		
	CD-R (write-once)		
	CD-RW (rewriteable)	¹ CD-G not supported. ² Playback of DVD R, CD-R and CD-RW may not be fully performed depending on the writing conditions of the disc. ³ Support Multi-Read for CD-R and CD-RW.	
Read Data Transfer Rate per sec.		Write Data Transfer Rate per second	
4.7GB DVD-RAM:	2.77MB (2X)	4.7GB DVD-RAM:	2.77MB (without verifying) 1.38 MB (verifying)
2.6GB DVD-RAM:	1.38MB (1X)	2.6GB DVD-RAM:	1.38MB (without verifying) 0.69 MB (verifying)
4.7GB DVD-R:	8.31MB (max X 6)	4.7GB DVD-R:	2.77MB (without verifying)
4.7GB DVD-RW:	8.31MB (max X 6)	4.7GB DVD-RW:	1.38MB (without verifying)
CD-R:	1.52MB - 4.80MB (max X 32)	CD-R:	max 1.80MB (without verifying)
CD-RW:	1.52MB - 3.60MB (max X 24)	CD-RW:	max 1.20MB (without verifying)
DVD-ROM:	3.44MB - 16.22MB (max X 12)		
CD-ROM:	1.52MB - 4.80MB (max X 32)		

* Depending on drive configuration.

** Average robotics movement and media exchange combined.

*** First year on-site 5 X 9 X next business day.

**** Allow 3 inches of airflow behind, and 2 inches of airflow on both sides.

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