



Plasmon D - Series Libraries

Your Total CD/DVD Storage Solution

What is a CD Library?

A CD library is an automated storage device that provides transparent network access to 100s of CD and DVD discs. Most CD libraries store CD media in magazines much like those used in a typical home or car stereo system. A robotic mechanism called a picker pulls CDs from the magazine and places them in modified CD-ROM, CD-R, or DVD-RAM drives when an end-user requests a file on the CD.

Plasmon D-Series Libraries

With the ever-increasing amount of information and applications available on CD media, there is a growing need for a secure, centralized storage device that allows end-users fast network access to data stored on CD now, and DVD technology in the future.

PLASMON offers a full line of affordable CD-ROM/CD-R libraries designed to meet your storage and duplicating needs. Our product family includes:

- 2, 4, or 6 drive configurations
- 120, 240, and 480 disk models
- Engineered and manufactured to ISO 9001 standards
- Support for CD-R drives allows end-users to transparently record to CD media for duplication and distribution

CD Libraries—A Better Solution than CD Towers

Historically, network administrators have used CD towers to provide dedicated network access to individual CDs—usually no more than 14 CDs at a time. As CD media has proliferated in business enterprises however, the only solution to provide access to more CDs has been to purchase additional CD towers at an average cost of \$500 per dedicated CD. In addition, most CD towers are not multi-functional in that they fail to offer the end-users the ability to record CDs for distribution.

Performance and Reliability

The D-Series Libraries incorporate fast 24X CD-ROM drives to deliver fast time-to-data. Plasmon's patented double picker technology holds two discs simultaneously, making for fast disc exchanges and high performance in a multi-user environment.

A robust mechanical design delivers a reliability of better than 1.5 million exchanges, and a quick swapping of drives minimizes down time.

Plasmon CD Libraries, on the other hand, offer a far lower cost per CD (average cost \$65) while offering storage capacities that exceed 300 gigabytes on some models. When configured with CD writers, Plasmon Libraries allow end-users to record to CD media for distribution and duplication. And Plasmon's **NetReady** option enables network integrators to seamlessly integrate storage into any network environment within minutes with no server or client software installation necessary.



D-Series Family: D-120, D-480, and D-240

Model	Average Disk Exchange and Spin-up (24X)	Average Seek 24X CD-ROM	Average Seek 4X/8X CD-R (Write/Read)	Data Transfer Rate (24X)	Mean Swaps before Failure (80% Confidence)	Total Time-To-Data (TTD) Avg. 600 KB File
D-120	3 sec/ 7 sec	85 ms	450 ms/ 175 ms	1.2MB/sec	1.5 million swaps	11 sec
D-240	3 sec/ 7 sec	85 ms	450 ms/ 175 ms	1.2MB/sec	1.5 million swaps	11 sec
D-480	4 sec/ 7 sec	85 ms	450 ms/ 175 ms	1.2MB/sec	1.5 million swaps	12 sec

Transparent Data Accessibility

Used in conjunction with Plasmon's NetReady option or with the leading storage management software, any D-Series Library will appear as a single drive letter on an end-user's desktop PC. End-users simply click on the drive letter and have full access (user privileges apply) to the stored CD contents of the library.

Flexible Product Range

Plasmon Libraries come in flexible configurations designed to meet the different storage needs of different types of businesses.

Model	# of CD-ROM Drives	# of CD-R Drives	# of Disks	Disk/Drive Ratio	Storage Capacity
D-120-20	2	0	120	60	78 GB
D-120-40	4	0	120	30	78 GB
D-120-22	2	2	120	30	78 GB
D-240-20	2	0	240	120	156 GB
D-240-40	4	0	240	60	156 GB
D-240-60	6	0	240	40	156 GB
D-240-42	4	2	240	40	156 GB
D-480-20	2	0	480	240	312 GB
D-480-40	4	0	480	120	312 GB
D-480-60	6	0	480	80	312 GB
D-480-42	4	2	480	80	312 GB

Total Storage for a Variety of Business Applications

D-Series CD Libraries can be integrated into a variety of business environments including the legal profession, banking, healthcare, and CAD/CAM design. When bundled with Plasmon's NetReady option, any D-Series Library becomes a turnkey network-attached storage solution. Here are some of the applications where CD libraries are being used today.

Industry	Use
Legal Profession	Storage of depositions and other legal documents. CD-ROM records are admissible as legal documents because they cannot be altered.
Independent Software Developers and Internet Service Providers	Secure, centralized network access to the latest development tool releases from Microsoft and other operating system developers
Health Care Industry	Document imaging including photographs, x-rays, patient records, laboratory records, and other documents
Banking Industry	Storage of check images (30,000 check images per CD-ROM disc) for archiving purposes and to verify check image data
CAD, CAM, and CAE (computer-aided design, manufacturing, and engineering)	Storage of drawings (blueprints and detailing), specifications, and as-built drawings
Parts Manufacturing	Part Catalogs including photographic images and specifications



The D-120 offers appropriate storage capacity for law firms and workgroups

System Requirements

A wide range of third-party storage management software and server operating systems provides seamless integration for Plasmon CD Libraries.

Storage Software is supported by Ixos, Smart Storage, Tracer, PSO, and Plasmon's subsidiary, Allstor.

Network Environments supported include Windows NT, Unix, and Novell.

About Plasmon

Founded in 1986, PLASMON, IDE is a leader in data storage and technology. The company manufactures and designs automated library systems that integrate CD, magneto optical, and tape technologies. The company's ISO 9001 products are sold through an extensive distribution and business partner network worldwide. For a free Network Storage Needs Analysis please call 800-451-6845.

D-Series Features Summary

- Large range of models holds 120, 240, or 480 CDs with 4X Write/8X Read
- 2, 4, or 6 drives—CD-ROM or CD Writers
- Magazines and Import/Export Tray included
- Dual SCSI Bus Interface
- Dual Picker Technology results in average exchange speeds between 3 and 4 seconds
- Predictable and Reliable—1,500,000 MSBF
- Uses fast 24X CD-ROM Drives and CD-R 480 with 4X Write/8X Read
- Libraries are self-configuring and feature automatic alignment of robotics
- High Performance—average 3-second exchange with Dual Picker Technology
- DVD Ready
- Design reduces all aspects of host management. Profiles NV-RAM which identifies location of CDs, type of media, current operations, and maintains logistics/operating log
- Two-year warranty parts and labor



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