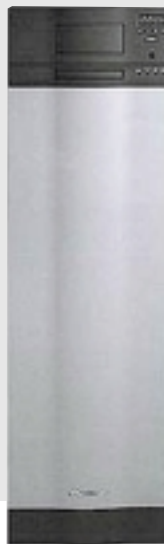




Intercom Computer Systems



I-7996 DVD-R Mass Storage System for IBM mainframes

Highlights

The I-7996 optical mass storage system for IBM mainframes is based on the powerful and well proven 120 mm DVD-R optical disk technology. It is IBM 3995 compatible and supports IBM's Object Access Method (OAM). The I-7996 provides a cost effective way to improve System Managed Storage (SMS) and improves document handling, work flow processing, back up and archiving significantly.

Unbeatable Storage Capacity

Optical mass storage provides an unsurpassed price/performance ratio for large amounts of data, currently stored on paper, microfiche, tape or magnetic disks. It enhances the system managed storage hierarchy, improves productivity, reduces cost by a factor of 10, compared with magnetic disk storage and improves access time by a factor of 10 to 100, compared to traditional 3490 / 3590 tape systems.

The I-7996 utilizes the well proven and reliable DVD-R technology. Supported is DVD- Recortible (Write Ones Read Multiple) technology, meeting the legal requirements for long term document recording.

A 120 mm DVD optical disk holds as many as 4.7 GB of data. With direct access capability, a particular data file can be accessed within milliseconds rather than seconds or minutes, compared to magnetic tape storage. As many as 16 optical disk drives can be connected to the I-7996 control unit, providing total online storage capacity of 75.2 gigabytes with an average access time of 100 ms.

Automatic Optical Disk Library

Automated Disk Library (ADL) extends the near online capacity to 2.9 terabytes while maintaining an average access time of 8 seconds.

The I-7996 DVD Optical Disk Archive includes 2 to 6 disk drives with up to 28.2 GB under head and is available with 100 to 620 DVD's, providing up to 2.91 TB of data.

OAM Support under OS/390

The I-7996 DVD Storage System is IBM 3995 compatible and supports IBM's Object Access Method (OAM). OAM is a new way of viewing data as objects rather than data sets, blocks, records or count-key-data fields.

The user provides data in the form of images, voice, text, fax, multi-media, etc., and the OAM manages it. It does not need to deal with the geometry of a particular storage media format.

Support for the IBM Enterprise Document Management Suite (EDM Suite) including Image Plus, Workflow, On Demand, Visual Info and other IBM applications is included.

IBM S/390 and S/370 Connectivity

The I-7595 can be equipped with up to eight ESCON and/or Block Multiplex Channel interfaces. Channel data rates ranges from 4.5 MB/s on Block Multiplex Channel up to 17 MB/s on ESCON Channel.

Optical Disk Library

100 to 620 Optical Disks
470 to 2914 GB Capacity
2 to 6 Optical Disk Drivers
28.8 GB under Head

Media

120 mm DVD-R (WORM)
4.7 GB per Optical Disk

Application

Workflow Processing
Online Transaction Processing
Long Term Archiving
Microfilm Replacement

Connectivity

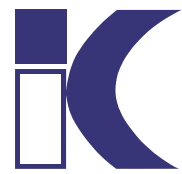
ESCON,
Block Multiplex Channel
SCSI, Fibre Channel

Hardware Compatibility

IBM 3995 compatible

Software Compatibility

OS/390, OAM Support



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Write-Once-Read-Multiple

The DVD- Recordable technology employed by the I-7996 optical disk storage system meets the legal requirements for long term document archiving. Once recorded, data can never be manipulated. This feature, combined with a data storage life time of more than 30 years qualifies the I-7996 as a long term archive system and an evolutionary alternative to paper and microfilm and to the 51/4" Magneto Optical Disk technology.

Applications

The I-7595 strengthens the position of mainframes as enterprise wide data servers. It maintains high data volumes and provides fast access to more online data for the ever increasing number of data hungry clients. The I-7595 will significantly change the way of data processing in four major areas:

- 1. Information on Demand:** With optical mass storage, more data can be held online and accessed faster. Clients can do their job more effectively. It eliminates unproductive and expensive wait time for online data processing and avoids manual intervention for offline data retrieval.
- 2. Imaging:** With support for Image Plus and Visual Info, large documents and images can be managed cost effectively in electronic format rather than on paper. Displaying and printing images on demand will reduce paper handling significantly.
- 3. Work Flow Management:** The new view to data as objects rather than as bytes and blocks will simplify and improve access time and work flow management.
- 4. Document Management:** Optical disk can provide space for data, still stored on paper or micro film. Data in electronic format is managed under system control and access to older data can be automated, avoiding manual intervention. The Write Once, Read Multiple (CCW) technology and the 35 year life time for optical storage meet the legal requirements for long term document archiving.

Specifications

Optical Disk Media

Recording Sides	1
Media Capacity	4.7 GB

Technology
120 mm DVD
WORM Technology

Disk Drives

Number of R/W Heads	1
R/W Data Rate	1.4 to 2.8 MB/s
Average Seek Time	25 ms
External Drives per System	16

Automated Disk Library

Internal Disk Drives per ADL	2 to 6
Data under R/W Heads	28.2 GB
Number of Disks	100 to 620
Average Disk Change Time	8s
Total Capacity	2.91 TB

Hardware Compatibility

IBM 3995 Model 132
1 to 8 Channel Interfaces (ESCON or BMC)

Software Compatibility

OS/390, MVS
Object Access Method (OAM)

Applications

DFSMS
IAFC, RMDS
Image Plus, Visual Info
Flow Mark

Domino Document Manager

Operation Environment

110/208V, 10A, 60 Hz
200/240V, 7A, 50 Hz
10 to 80 % relative Humidity
10 to 42 Grad C, 50 to 108 Grad F

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