

A fast, dependable, and affordable disk-to-tape backup solution for data archive and retrieval in the RS/6000 environment



7205 40/80 GB External Digital Linear Tape Drive Model 440



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Highlights

- **Increased tape capacity up to 40 GB of native storage per cartridge (80 GB with 2:1 compression)**
- **Improved data transfer rate up to 6 MB/sec uncompressed (12 MB/sec with 2:1 compression) as compared to earlier models of the IBM 7205 Digital Linear Tape** (DLT) drive**
- **Read/write compatibility with previous model of IBM 7205 DLT drive**
- **Ultra2/Wide, Low Voltage Differential (LVD) interface**

- **Externally attached tape drive, includes power supply and cooling fan**

- **Cost-effective solution for save/restore and archiving functions**

Overview

With the growing reliance on client/server computing, organizations of all sizes are turning to server-based databases to store their mission-critical data. Because these databases are often the most important information resource in their enterprise, organizations need storage solutions that can provide high performance, large capacity, data integrity, and reliability for important business applications.

In addition, the increased use of data storage to provide better customer service and improved business solutions requires fast, dependable, and affordable disk-to-tape backup operations and large data archive and retrieval facilities. To help address these demanding data backup, restore, and archive application requirements, users can turn to the IBM 7205 40 GB External Digital Tape Drive Model 440.

The IBM 7205 Model 440 is an external, stand-alone, SCSI-attached, DLT drive that attaches to both IBM RS/6000* and IBM @server pSeries* families of workstations and servers. The IBM 7205 Model 440 features a native transfer rate of up to 6 MB/sec, with a native cartridge capacity of 40 GB. The IBM 7205 Model 440 also supports 2:1 data compression, providing an effective capacity of up to 80 GB and an effective data transfer rate of up to 12 MB/sec. The actual degree of compression is highly dependent on the characteristics of the data being compressed, such as block size and data format.

Digital Linear Tape Technology

The IBM 7205 Model 440 provides noticeable advantages in performance

IBM 7205 35 GB External Digital Linear Tape Drive Model 440

Characteristics

Tape drive type	1/2-inch DLT 8000
Capacity (native)	40 GB
Capacity (compressed)	80 GB
Media	1/2-inch DLT tape-IV
Data transfer rate	6 MB/sec (native) 12 MB/sec (compressed)
SCSI interface	SCSI-II LVD

Dimensions

Height	4.8 in (122.3 mm)
Width	11.0 in (280.0 mm)
Depth	11.5 in (290.0 mm)
Weight	15.0 lbs (6.63 kg)

Operating environment

Temperature	60°-90° F (16°-32° C)
Relative humidity	20% to 80%
Wet bulb	73.4°F (23.0°C) maximum
Power requirements	.135 kVA (61 watts)
Warranty	One year limited

Systems support

RS/6000 and pSeries models using the SCSI-II differential interface

Operating systems support

AIX Version 4.3.3, SCSI-II LVD operating systems or later

and capacity compared to previous versions, such as the Model 311. To help provide accurate operations, the tape leader supports consistent tape motion, while a unique tape/reel locking mechanism prevents tape slack. The tape media features a special high-grade metal particle formula that reduces tape and head wear and employs a 208-track serial serpentine variable block recording format. The IBM 7205 Model 440 is backward-compatible with previous DLT formats.

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An integrated software solution

The IBM 7205 Model 440 includes its own device driver that is used by save/restore utilities provided with the AIX* operating system. Managing the IBM 7205 Model 440 with industry-leading tape management and software solutions such as Tivoli Storage Manager** or those from other software providers can simplify its use.

Media

Order media for the IBM 7205 Model 440 from IBM Media or Supplies Distribution or from authorized dealers. To order IBM media and supplies in the United States, call 1-888-IBM-MEDIA (1-888-426-6334).

Tell me more

For more information, contact your IBM representative or your IBM Business Partner. In the United States or Canada, call IBM Direct: 1-800-IBM-CALL (1-800-426-2255) or visit www.ibm.com/storage



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IBM Storage Systems Division
Removable Media Storage Solutions
9000 S. Rita Road
Tucson, AZ 85744
United States

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