

# IBM 7214 Rack Mount Tape and DVD Storage Enclosure



- **Provides a space-efficient way to rack-mount direct-attach tape drives**
  - High capacity tape storage in just 1U of 19-inch rack space
    - DAT320 Media Capacity: 160GB native; 320GB assuming 2:1 Compression
    - HHLTO4 Media Capacity: 800GB native: up to 1.6TB assuming 2:1 compression
    - Additional technologies offered: DAT160 80/160GB) and DVD-RAM or ROM
  - Ideal for high-density servers with limited bays
- **Installs quickly and easily**
  - No tools required for installation
  - Uses sliding rails that fit all current IBM 19-inch racks
- **Delivers a flexible, scalable rack-mount solution**
  - Customer installable drive upgrades for additional capacity or to migrate to new generations of tape technology
  - SAS tape and DVD technologies may be mixed in the same enclosure

# Why DAT 320 will still be a vital part of SMB data protection

## LOW COST TAPE DRIVE FEATURE ON IBM 7214

- **Portability**
  - Robust and portable media enables simple and secure storage of backups off-site for complete data protection
  - Hardware-based data encryption provides additional security for tape media
- **High capacity in a small footprint**
  - Space and cost efficient for longer term storage
- **Long lifespan**
  - Proven shelf-life for long term archival to comply with regulatory requirements
- **Cost effective long term storage**
  - DAT160 and DAT320 tape media delivers one of the lowest \$/GByte of any storage technology
- **High energy efficiency**
  - Tape storage has been shown to decrease storage power requirements
- **Scalability**
  - Backward read/write compatibility with DAT320 and DAT160 media

# IBM DAT 320 Tape Drive

Cost-effective, reliable and proven tape data protection solution on the **IBM 7214**



- **Performance**

- Store up to 160 GB on a single removable tape cartridge
- Backup speeds of up to 43GB /hr (@ 12 MB/sec native)
- First hardware-based encryption capable DAT tape drive

- **Affordability**

- Low on-going cost of ownership, driven by low-cost, durable DAT media
- Additional investment protection through a painless upgrade path

- **High Reliability/Durability**

- Assured read/write media compatibility and interchange with DAT 160
- Proven DAT track record, largest installed base of any tape technology

# What's new?

Functionality	DAT 160	DAT 320
Capacity	<b>80GB</b> <b>Up to 160GB*</b>	<b>160GB</b> <b>Up to 320GB*</b>
Transfer rate	<b>24.6GB/hr</b> <b>6.9 MB/sec</b>	<b>43.2GB/hr</b> <b>12 MB/sec</b>
Hardware based data encryption	<b>No</b>	<b>Yes</b>
Power (Typical)	<b>10.3W</b>	<b>5.7W</b>

## Customer Benefits

The new IBM DAT 320 tape drive provides high capacity, fast performance, and energy efficient tape drive backup solution.

\* Capacities may be doubled in most cases using data compression feature available on DAT160 and DAT320 tape drives

# IBM DAT 320 Data Cartridges

- DAT320 Media is 8mm, ME (Metal Evaporated)
  - Allows higher density and capacity
  - Cleaner media – requires less drive cleaning
  - Read/write compatible with DAT160 media
- Available from 1-888.IBM.Media or go to the web site and search for media information at:  
[www.Storage.IBM.com/media/distributors/index.html](http://www.Storage.IBM.com/media/distributors/index.html)
- DAT320 Data Cartridges 153 meters in length  
Cleaning Cartridge P/N: 46C1936  
P/N: 46C1937

