

*Cost-effective, compact, high-capacity storage for the AS/400*



## 7208 Model 342 20 GB External 8 mm Tape Drive

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### Highlights

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- *Enhanced capacity and performance*
- *Enhanced reliability through a streamlined, rugged design with fewer moving parts, simplified tape loading, highly integrated electronics, and a more reliable capstanless tape path*
- *8 mm read compatibility and investment protection for previous 8 mm tape drives*
- *Improved Data Recording Capability (IDRC) for 2:1 onboard data compression*

### Data storage for AS/400 systems

The IBM 7208 Model 342 20 GB External 8 mm Tape Drive offers the improved capacity, advanced performance, and high reliability required in a data storage solution for the IBM Advanced Series/400 and AS/400e series.

The IBM 7208 Model 342 is a compact tabletop 8 mm cartridge tape drive that provides a native media capacity of 20 GB per cartridge and a data transfer rate of 3 MB per second—a substantial improvement over the 7208 Models 012 and 222. With an adaptation of IBM's IDRC, and depending on the characteristics of the data transferred, up to 40 GB of data can be stored on a cartridge. The data transfer rate can reach up to 6 MB per second for unattended save and restore applications.



*7208 Model 342 20 GB External 8 mm Tape Drive*

In addition to reading and writing on new 170 meter 8 mm Mammoth Advanced Metal Evaporated (AME) data cartridges, the new 7208 Model 342 also reads other 70 GB, 5.0 GB, or 2.3 GB 8 mm Metal Particle (MP) tape cartridges.

AME media features enhanced magnetic qualities and a diamond-like carbon surface to optimize Mammoth drive performance and reliability. This helps ensure excellent and ongoing media availability for Mammoth cartridge users.

Providing an excellent migration and interchange path from other 8 mm tape drives, the 7208 Model 342 is a cost-effective and efficient AS/400® storage solution.

### Improved reliability

The 7208 Model 342 achieves a new level of reliability in a 5.25-inch half-high form factor by incorporating a redesigned 20 GB Mammoth 8 mm drive that features 40 percent fewer parts, an improved capstanless tape path, a built-in dynamic head cleaner, simplified and gentle tape loading, highly integrated electronics and diagnostics, three-point shock mounting, and extensive parametric monitoring on tape and cartridge load motions. The 7208 Model 342 is backed by IBM worldwide service and support.

The 7208 Model 342 supports Error Correction Code (ECC) and has a Liquid Crystal Display (LCD) on the front panel to display operating and error messages.

The 7208 Model 342 is an excellent streaming tape drive for save, restore, and archiving functions. Up to four Model 342s can be attached to an AS/400 based on the system model and storage requirements.

### Machine requirements

The 7208 Model 342 can be attached to any AS/400 server or system that supports the following adapters:

- AS/400 Magnetic Media Controller (Feature Code 6534)
- PCI Magnetic Media Controller (Feature Code 2729)

You can specify the 7208 as an alternate IPL device on certain AS/400 models.

### Media

You can order media for the 7208 Model 342 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 and Canada, you can also call IBM Direct: 1-800-IBM-Call (1-800-426-2255). Internet: [www.ibm.com/storage](http://www.ibm.com/storage)



*7208 Model 342 20 GB External 8 mm Tape Drive with media*



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### IBM 7208 Model 342 20 GB External 8 mm Tape Drive at a glance

#### Characteristics

Tape drive type	8 mm
Capacity per cartridge (native)	20 GB
Capacity per cartridge (compressed)	40 GB
Media	8 mm 170-meter AME media (part number 59H2678)
Data transfer rate (native)	3 MB/sec
Data transfer rate (IDRC compressed)	Up to 6 MB/sec
Interface	SCSI
Supported systems	IBM Advanced Series/400 and AS/400e series
Supported operating systems	OS/400® Version 4 Release 1 or later

#### Dimensions

Height	250.0 mm (9.8 in)
Width	55.0 mm (2.2 in)
Depth	275.0 mm (10.8 in)
Weight	5.0 kg (11.0 lbs)

#### Operating environment

Temperature	60° to 90° F (16° to 32° C)
Relative humidity	20% to 80%
Wet bulb maximum	73.4° F (23.0° C)
Power requirement	.041 kVA
Warranty	One year limited; IBM Onsite Repair (IOR)