

3592

for IBM 3592 TotalStorage® Enterprise Tape Drive Systems

Tape Cartridge Featuring NANOCUBIC Technology!

Rock-solid reliability for enterprise-class high-capacity data storage

up to 300GB native capacity (900GB with 3:1 data compression)



3592 (300GB)



3592 (60GB)



3592 WORM

Proprietary Nanocubic technology assures high capacity and rock-solid reliability

In today's information age, enterprise-class data storage systems require the use of storage media that offer both high capacity and high reliability. Fujifilm's Enterprise Tape Cartridge 3592 for IBM 3592 TotalStorage® Enterprise Tape Drive Systems offer outstanding reliability, and as the first product to feature our proprietary Nanocubic thin-coating technology for magnetic media, they offer a native capacity of up to 300GB (900GB with 3:1 data compression) and a native data transfer speed of 40MB per second (110MB per second with 3:1 data compression).

Nanocubic Technology



High-density digital recording requires an extremely thin recording layer. As opposed to ATOMM* technology, which was the first technology to allow the production of submicron-scale thin metal coatings, Nanocubic technology allows the production of nanometer-scale ultra-thin coatings (one nanometer = one-billionth of a meter). In addition, nano-particle technology is employed to create magnetic needle-shaped metal particles and plate-shaped barium-ferrite particles that are only a few tens of nanometers in size, and a new high-molecular binder material and nano-dispersion technology are used to ensure uniform dispersion of the particles. Using Nanocubic technology, it is now possible to create data cartridges that offer low noise, excellent storage characteristics, and capacities in excess of one terabyte.

Up to 300GB (native) and 900GB (3:1 Data compressed) high-capacity data storage

Fujifilm's proprietary ultra-thin magnetic layer nano-coating technology and newly developed needle-shaped metal nano-particle technology ensure outstanding data storage capacity. With 512-track recording and a tape width of 12.65mm, Fujifilm's Enterprise Tape Cartridge 3592 for IBM 3592 TotalStorage® Enterprise Tape Drive Systems have a native capacity of 300GB (900GB with 3:1 compression).

Consistently high output

Fujifilm tape has an exceptionally smooth surface that assures improved head contact and minimal spacing loss. As a result, output is consistently high.

High-precision servo system

Servo signals encoded directly on the tape ensure high-precision head tracking with timing-based servo systems. Fujifilm quality control assures outstanding signal quality and precision.

High-reliability sliding door mechanism

Dust protection and durability are enhanced by a highly reliable curved sliding door and leader pin system.

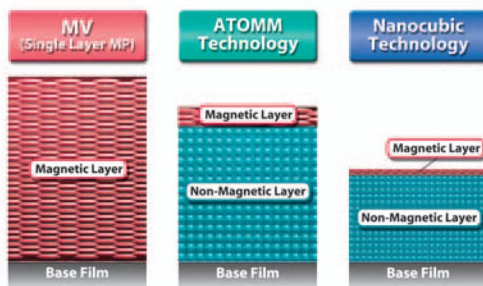
Sliding Door Closed



Sliding Door Open



Structural Comparison of Magnetic Media



* ATOMM : Advanced Super Thin Layer & High Output Metal Media Technology

Ruggedly constructed cartridge shells

For maximum durability, cartridge shells are constructed of heavy-gauge resin, and internal components are specially designed to withstand heavy use. Five high tensile-strength screws are also used to secure the cartridge shell halves together.

Built-in memory modules

All cartridges are equipped with multifunction non-contact flash memory modules.

A full line-up to meet various needs

- 300GB Cartridge for high capacity storage
- 60GB Cartridge for high speed access to specific data
- WORM (Write Once Read Many) type (300GB/60GB) Cartridge for data protection against falsification and deletion

Specifications

Specifications

Basic Specifications	Capacity (3:1 Data Compressed)	300 GB (900 GB)	60 GB (180 GB)	WORM 300 GB (900 GB)	WORM 60 GB (180 GB)
	Transfer Rate (3:1 Data Compressed)	40 MB/sec. (110 MB/sec.)			
Physical Characteristics	Number of Tracks	512			
	Tape Width	12.65 mm			
	Tape Thickness	8.9 μm			
	Tape Length	609 m	246 m	609 m	246 m
	Cartridge Dimensions	125.0 x 109.0 x 24.5 mm			
Operating Environment Conditions	16 ~ 32 °C (Max. Wet Bulb Temperature : 26 °C) ; 20 ~ 80 %RH				
Archival Environment Conditions	16 ~ 25 °C (Max. Wet Bulb Temperature : 26 °C) ; 20 ~ 80 %RH				
Data Rewrite	yes			no	

Bulk erasers should not be used with 3592 tape. The tape is encoded at the factory with servo system timing signals that will be lost if bulk erasers are used. Specifications are subject to change without notice. TotalStorage is a registered trademark of IBM Corp. in the United States and other countries.