3592 for IBM 3592 Total Storage 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)
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.

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.

Specifications

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<tr>
<th>Specifications</th>
<th>Capacity (3:1 Data Compressed)</th>
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<th>Transfer Rate (3:1 Data Compressed)</th>
<th>Number of Tracks</th>
<th>Tape Width</th>
<th>Tape Thickness</th>
<th>Tape Length</th>
<th>Cartridge Dimensions</th>
<th>Operating Environment Conditions</th>
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<th>Data Rewrite</th>
<th>WORM 300 GB (900 GB)</th>
<th>WORM 60 GB (180 GB)</th>
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<tr>
<td>Basic Specifications</td>
<td>300 GB (900 GB)</td>
<td>60 GB (180 GB)</td>
<td>WORM 300 GB (900 GB)</td>
<td>WORM 60 GB (180 GB)</td>
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<tr>
<td>Transfer Rate (3:1 Data Compressed)</td>
<td>40 MB/sec. (110 MB/sec.)</td>
<td>246 m</td>
<td>8.9 m</td>
<td>609 m</td>
<td>125.0 x 109.0 x 24.5 mm</td>
<td>16 ~ 32 C (Max. Wet Bulb Temperature: 26 C), 20 ~ 80 %RH</td>
<td>16 ~ 25 C (Max. Wet Bulb Temperature: 26 C), 20 ~ 80 %RH</td>
<td>YES</td>
<td>YES</td>
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</table>

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

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