

# Model SDT7000-KIT



## DDS-2 Tape Drive



### FEATURES

- **3.5" Form Factor and Embedded SCSI-2 Controller Provide Compatibility With a Wide Range of Computers**
- **8 GB of User Data can be Stored on one Credit Card Size Data Cartridge**
- **Vertically Integrated Manufacturing Process Produces a MTBF of 200,000 Power-On Hours**
- **Flash Memory for Easy Firmware Upgrade**
- **Digital Servo Provides Accurate and Efficient Tape Handling**
- **Read and Write Compatibility for DDS and DDS-2 Tapes**
- **Patented Super Head Cleaner™ Automatically Cleans the Tape Head while in Operation, Greatly Increasing the Ability to Record and Recover Data**

### DESCRIPTION

Sony, a leader in tape technology and co-developer of the Digital Data Storage (DDS) format, has raised DDS-2 tape performance to new heights. The SDT7000-KIT, conforming to the industry standard DDS-2 format, delivers a native (uncompressed) data transfer rate of 778 kilobytes per second, up to 1.5 megabytes per second with industry standard DDS-2 DCLZ data compression enabled.

This new level of performance combines with the available 8 gigabyte capacity of DDS-2 to deliver the solution for today's high capacity data backup applications. Large file servers, power workstations and other storage intensive systems can now store data at up to 5.6 gigabytes per hour, a level of performance unprecedented in the DDS world - until now.

## SPECIFICATIONS

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### Drive Type

SDT7000-KIT: 3.5" DDS-2 DAT tape drive

### Media

120 meter DDS-2 compatible data cartridge  
90 meter DDS compatible data cartridge  
60 meter DDS compatible data cartridge

### Standards Compliance

DDS: ANSI X3.203  
ISO/EC-10777  
ECMA-139  
DDS-DC: ISO/EC-DIS 11557  
ECMA-150  
DCLZ: ISO/EC-DIS 11558  
ECMA-151  
DDS-2: ECMA/TC17/92/26

### Interface

SCSI-2

### Capacity

4 GB with 120 meter data cartridge  
(compression disabled)  
8 GB (typical) with 120 meter data cartridge  
(compression enabled)

### Sustained Transfer Rate

778 KB/sec (compression disabled)  
1,556 KB/sec (typical with compression)

### Burst Transfer Rate

Asynchronous: 5.0 MB/sec (maximum)  
Synchronous: 10.0 MB/sec (maximum)

### Linear Recording Density

61,000 BPI

### Recording Block Length

Variable or fixed block length supported

### Average Access Time

Less than 40 seconds with 120 meter data cartridge

### Search Speed

Approximately 100 times nominal read/write speed

### Drum Rotation Speed

8,503 RPM

### Buffer Size

1 MB

### Uncorrectable Error Rate

Less than  $10^{-15}$ bits

### MTBF

\*200,000 power-on hours at 20% duty cycle

### Vibration

0.25 G peak, 5 to 500Hz (swept)

### Shock

5.0 G peak half sine wave of 3msec duration

### Operating Temperature

5° C to 40° C

### Storage Temperature

-40° C to 70° C

### Operating Humidity

20% to 80% (non-condensing)  
Maximum wet bulb temperature: 26° C

### Power Requirement

DC 5V  $\pm$  5%  
DC 12V  $\pm$  10%

### Power Consumption

9.9 watts (average)

### Dimensions (W x H x D)

5.75" x 1.62" x 5.75"

### Weight

1 lb 8 oz (660 grams)

\*Sony does not and cannot make any warranty or representation with regard to the mentioned MTBF of any particular unit installed for customer use.

## ORDERING GUIDE

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### Model SDT7000-KIT

4mm 4-8GB Data Tape Drive



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