

# DAT Tape Drives

*Best-value tape solution for SMBs*

**DAT is the most successful tape backup technology of all time with more than 16 million DAT drives shipped, and with a current world-wide installed base of over 6 million drives.**

DAT tape technology continues to meet the needs of the small and medium-sized business (SMB) market providing a reliable and low-cost tape backup solution. DAT remains the first choice for SMBs looking to protect low-end servers. Tandberg Data DAT tape drives are available with a range of capacities (72GB, 160GB and 320GB) and a choice of interfaces SCSI, SAS and USB.

Tandberg Data DAT tape drives are easy to use and easy to install, customers can benefit from out of the box to backup in less than 60 seconds. Tandberg Data DAT family provides a balance of price and performance offering up to 320GB of compressed data on a single cartridge at speeds of up to 86.4GB/hr\*.

Tandberg Data offers a range of DAT models including internal, external and rackmount configurations. The low cost of ownership is provided through low-cost, durable DAT media. The two generation backward compatibility provides a seamless upgrade path from older DAT drives. Tandberg Data DAT products are extensively tested to ensure they are fully compatible with a wide range of servers, operating systems and backup software. Tandberg Data DAT tape drives are supplied with a 3-year warranty.

Protect your small or medium-sized business, remote office or workgroup with a Tandberg Data DAT tape drive.



## Key Benefits

- Best Value Tape**  
 Low hardware and media cost combine to make DAT the best value tape solution
- Performance**  
 Up to 86.4GB/hr\*
- Ease of Use**  
 Out of box to backup in less than 60 seconds
- Future Proof**  
 8-generation roadmap, capacities up to 320GB\*
- Reliability**  
 Proven reliability MTBF of 125,000 hrs at 100% duty cycle
- Low Power**  
 DAT320 has the lowest power consumption of any tape drive on the market.
- Security**  
 Protect your data with AES 256-bit Encryption (DAT320 only)
- Leading Service & Support**  
 3-year warranty and 1-year Advanced Replacement Service\*\* (Free technical support)

\* Assumes a 2:1 compression ratio

\*\* Availability dependent on location



*DAT tape drives offer up to 320GB of compressed data on a single cartridge at compressed speeds of up to 86.4GB/hr.*

## Specifications

	Tandberg DAT72	Tandberg DAT160	Tandberg DAT320
Recording Method	<b>4 mm Helical Scan</b>	<b>8 mm Helical Scan</b>	<b>8 mm Helical Scan</b>
Capacity (native/compr.)	<b>36GB / 72GB*</b>	<b>80GB / 160GB*</b>	<b>160GB / 320GB*</b>
Transfer Rate (native/compr.)	<b>3.2 MB/s / 6.4 MB/s*</b>	<b>6.9 MB/s / 13.8 MB/s*</b>	<b>12 MB/s / 24 MB/s*</b>
Data Access Time	<b>68 sec.</b>	<b>50 sec.</b>	<b>50 sec.</b>
Average Load/Unload Time	<b>15 sec.</b>	<b>35 sec.</b>	<b>45 sec.</b>
Rewind Time (end to end)	<b>120 sec.</b>	<b>92 sec.</b>	<b>120 sec.</b>
Recommended Media	<b>DAT72 (170m)</b>	<b>DAT160 (150m)</b>	<b>DAT320 (150m)</b>
Backward Read/Write Compatibility	<b>DDS3 and DDS4</b>	<b>DDS4 and DAT72</b>	<b>DAT160</b>
Data Compression	<b>Lempel-Ziv (DCLZ)</b>	<b>Lempel-Ziv (DCLZ)</b>	<b>Lempel-Ziv (DCLZ)</b>
WORM Compatible	<b>No</b>	<b>Yes</b>	<b>Yes</b>
Encryption Compatible	<b>No</b>	<b>No</b>	<b>Yes</b>
Interface Type	<b>SCSI-3 Ultra 160 LVD USB 2.0</b>	<b>SCSI-3 Ultra 160 LVD USB 2.0</b>	<b>SAS 1.1 USB 2.0</b>
Interface Connector SCSI	<b>68-pin HD (internal) 68-pin HD (external)</b>	<b>68-pin HD (internal) 68-pin HD (external)</b>	<b>N/A</b>
Interface Connector USB	<b>Std B-type (internal) Std A-type (external)</b>	<b>Std B-type (internal) Std A-type (external)</b>	<b>Std B-type (internal) Std A-type (external)</b>
Interface Connector SAS	<b>N/A</b>	<b>N/A</b>	<b>SAS SFF8482 (internal)</b>
MTBF Hours	<b>125,000 hours @ 100% duty cycle</b>	<b>125,000 hours @ 100% duty cycle</b>	<b>125,000 hours @ 100% duty cycle</b>

### Environmental Specifications

Temperature (operating)	<b>5° – 40°C (41° – 104°F)</b>	<b>5° – 40°C (41° – 104°F)</b>	<b>5° – 40°C (41° – 104°F)</b>
Temperature (non-operating)	<b>-40° – 70°C (-40° – 158°F)</b>	<b>-40° – 70°C (-40° – 158°F)</b>	<b>-40° – 70°C (-40° – 158°F)</b>
Relative Humidity (operating)	<b>20 to 80% (non-condensing)</b>	<b>20 to 80% (non-condensing)</b>	<b>20 to 80% (non-condensing)</b>
Relative Humidity (non-operating)	<b>5% to 95% (non-condensing)</b>	<b>5% to 95% (non-condensing)</b>	<b>5% to 95% (non-condensing)</b>

### Power Requirements

Internal	<b>+5V ± 5% (100mV Max ripple) @0.8A +12V ± 10% (150mV Max ripple) @0.3A</b>	<b>+5V ± 5% (100mV Max ripple) @1.1A +12V ± 10% (150mV Max ripple) @0.4A</b>	<b>+5V ± 5% (100mV Max ripple) @0.78A +12V ± 10% (150mV Max ripple) @0.3A</b>
External	<b>100 to 240 VAC, 50-60 Hz, auto-ranging</b>	<b>100 to 240 VAC, 50-60 Hz, auto-ranging</b>	<b>100 to 240 VAC, 50-60 Hz, auto-ranging</b>
Power Consumption (average)	<b>7.1 W</b>	<b>10.3 W</b>	<b>6.1 W</b>
Certification	<b>CSA Certification to C22.2, No. 60950 (cCSAus), TUV EN60950 (IEC 60950), FCC and CE Declaration of Conformity, FCC 47 CFR Parts 15, NOM, VCCI. C-TICK, RRL, BSMI, GOSH Approved (AS/NZS CISPR22)</b>		
Warranty	<b>3-year warranty and 1-year Advanced Replacement Service**</b>		

\* Assumes a 2:1 compression ratio

\*\* Availability dependent on location

### About Tandberg Data

Tandberg Data is a leading global supplier of data protection solutions for small and medium-sized businesses. The company's wide range of cost-effective storage products and services provides customers with best-in-class tape, disk, removable disk and software solutions for backup, archiving and disaster recovery. These solutions are marketed through a global channel of qualified resellers, distributors and major server OEMs. An extensive service and support network supports all Tandberg Data products worldwide.

DS-DAT320\_US\_2011

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