digital

TKZ9E 8mm Tape Drive

Industry standard, 8mm, helical scan tape drive for data interchange and backup

The TKZ9E is a state-of-the-art, fourth generation, high performance 8 mm tape subsystem with built-in data compression capability for both backup and data interchange.

The TKZ9E, is an industry standard, 8mm, helical scan tape drive that is capable of reading and writing in 2.3 GB, 5.0 GB and 7.0 GB non-compressed densities. The TKZ9E can also write these densities in compressed mode. The various densities and compression modes are manually selected via push buttons on the front panel of the tape drive which allows the TKZ9E to initialize, read and write on the tape media so the data can be read by older, lower density, 8mm drives. This would include the Digital TKZ08, TLZ08, TKZ09, TKZ15 and related EXB 8200, EXB 8500 and EXB 8505 based tape drives. Both tabletop and StorageWorks SBB (Storage Building Block) variants are available.

Benefits

•
Data interchange with older 8mm tape drives

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Standard IDRC data compression and extended length tape provide maximum capacity per cartridge for backup

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Push button density and compression selection allows various densities to be written independent of the host operating system

•
Fast high speed search capability improves production time and user productivity

•
Drive electronics continuously monitor compression ratio to determine if compression is advantageous to capacity and throughput and will automatically switch back and forth as needed

•
Powerful on-board error correcting code, automatic read-after-write verification and write error recovery without host intervention provide unsurpassed data integrity

- Built-in 1 megabyte buffer provides increased read/write performance

- The TKZ9E automatically determines when to:
  - use high speed search to locate specific files
  - write short file marks to maximize media capacity

Highlights

- Push button density and data compression selection

- Data compression (2:1, typical) with continuous compression ratio monitoring and data integrity checking

- Supports 112 meter and extended length (164 meter) tape

- Tabletop and StorageWorks canister variants

- Advanced helical scan recording technology

- Backward tape compatibility with other high-performance helical scan 8mm tape drives (with 112 meter tape only)

- Comprehensive display panel contains eleven LED indicators and two numeric/alphanumeric LED displays that show:

Technical specifications	
Operating system support	Digital UNIX, OpenVMS VAX, OpenVMS Alpha
Drive specifications	
Storage media	Data grade Exatape cartridge
User storage capacity:	
Uncompressed	Up to 7 GB
Compressed (2:1, typical)*	Up to 14 GB
Physical block size	1024 data bytes + 400 ECC bytes
Track density	820 tracks/inch (8200 mode)
	1640 tracks/inch (8500/8505)
Track width	.025mm (.001 inch) 8200 mode
	.0155mm (.0006 inch) 8500 and 8505 mode
Data buffering	1 MB speed matching buffer
ECC	Reed-Solomon Product Code
Uncorrectable error rate	<1 bit in 1E18
Weight	8 lb.
Interface	SCSI - single ended, narrow
Power:	
TKZ9E-VA	20.2 watts (DC) typical
TKZ9E-TA	50 watts (AC) typical, 100 - 240 VAC
Transfer rate (sustained)*	500 KB/second (native); 1 MB/second (compressed)
File search speed	37.5 MB/second to 75 MB/second
Rewind speed	75 times normal
Preventative maintenance	Cleaning tape should be used after each 30 tape motion hours
Display	Capacity (MB), ECC, read/write retries, tape status (read, write, file mark, rewind, search), 2.3 GB/5 GB density select switch, compression switch

Order#	Description	Dimensions
TKZ9E-TA	Tabletop variant	2.38" H x 9.62" W x 10.38" D
TKZ9E-VA	StorageWorks SBB variant	4.50" H x 7.95" W x 8.5" D
TKZ8X-CB	8mm tape cartridge, 112 meter length	
	Qty 5	

Compression capacity and throughput ratios will vary dependent upon type of data.

- What the drive is doing
- How much tape is left
- The quality of the tape being used
- The size of the loaded tape cartridge
- Whether or not the loaded tape has been written in compressed mode

- Auto ranging power supply

Call us

For more information on the TKZ9E 8mm tape drive, contact your Computer Special Systems sales specialist, your authorized Digital reseller or view the following Web pages: http://www.digital.com/info/soc http://www.digital.com/info/css