

TU45 magtape drive

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The TU45 was a manually-loaded nine-track magnetic tape drive produced by PERTEC for DEC.

Used 1/2 inch-wide industry standard magnetic tape with a capacity of 40 megabytes at 1600 bpi per spool. Data transfer speed of 120 KB/sec at 1600 bpi. Maximum of 8 drives per device controller. Read and write speed of 75 inch/sec; rewind speed of 250 inch/sec. It could use tapes of any size up to 2400' reels.

The recording density, of either 1600 bpi (using PE encoding) or 800 bpi (using NRZI encoding), was selectable by software.


The TU45 is normally used with a TM03 controller, which is a MASSBUS controller; a TM03 can handle up to eight TU45 drives.

The TU45/TM03 with an RH780 Massbus Adapter of the VAX-11/780 is denominated as a **TEU45**.

External links

- ER-00016 Digital Model TU45 Dual Format Synchronous Read After Write Tape Transport (http://www.bitsavers.org/pdf/dec/magtape/tu45/ER-00016_TU-45_Maint_May78.pdf)

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TU45	
	
TU45 drive	
Manufacturer:	DEC
Drive Controller(s):	TM03
Media:	standard half-inch tape
Tape density:	1600 or 800bpi
Tape speed:	75 inches/sec
Rewind time:	115 seconds (nominal, 2,400' reel)
Power consumption:	75(standby, unloaded) 325 (standby, loaded) 450 (operating) 850 (maximum)
Size:	24"H x 19"W x 20"D
Weight:	155 pounds (maximum)

- This page was last edited on 22 April 2024, at 03:37.
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