

M2483/M2485 tape product Specifications:

High Performance and reliability

The M2483 and M2485, with 2 megabytes buffers can attain a continuous stream of data input/output which offers a sustained data transfer rate of 3.0 megabytes per second in the synchronous mode. These cartridge tape drives are supported by Fujitsu's enhanced data recording capability (EDRC), the data recording method is compatible with IBM's improved data recording capability (IDRC)

36 Track Recording

Adopting a 36-track bi-directional recording format, the M2483/85 K/KD/N/ND double the storage capacity provided with the 18-track recording format. In addition to the high storage capacity, the 30-track recording format substantially saves rewinding time when reading or writing full cartridges.

Small size for easy installation

The M2483 has an embedded SCSI-2 interface controller, reducing the subsystem's size to 127 mm high, 217 mm wide and 380 mm deep, Significantly smaller than most of its competitors. The M2483's eight inch form factor allows easy, spacing-savings integration into industry-standard 19-inch racks. The completely self-contained M2485 has a small footprint of only 222mm by 650 mm with automatic cartridge loader and is well suited for a convenient desktop configuration.

FUNCTIONAL SPECIFICATION

MODEL	M2483B/BD/H/HD M2485B/BD/B1/H/HD/H1/HD1	M2483K/KD M2485K/K1/KD/KD1
Data transfer rate	3.0 MB/s max. (asynchronous mode) 4.0 MB/s max. (synchronous mode)	
Host		
Drive/controller	3.0 MB/s	
Host Interface	SCSI-2 (B/B1/H/H1/K/K1/N/N1 - Type Single-ended SCSI-2 (BD/BD1/HD/HD1/KD/KD1/ND/ND1 - Type Differential	
Data buffer capacity	2MB	
Tape Speed	2.0 m/s	
Recording Density	37,871 bpi	75,742 bpi
Recording Capacity	600MB	1.2 GB / 2.4 double length tape
Recording Method		
Number of tracks	18 trk	36 trk / 18trk Serpentine
IBG (Inter-block Gap)	2.0 mm (.079 in.)	
Load/unload time (typical)	13 seconds (Typical)	
Rewind Time (Max)	65 seconds	
Options	<ul style="list-style-type: none"> - ACL (Auto Cartridge Loader) - FACL (Flushmount Auto Cartridge Loader) - Power Supply and cables for the M2483X tape product - 19 inch rack mount unit 	
NOTE:	EDRC (enhanced data recording capability) is standard for the M2483H/HD, K/KD/KD1, N/ND/ND1 A "1" indicates an ACL is attached, A "2" indicates an FACL is attached. The Model M2483X is a rackmount drive where as the M2485 is a table top unit	

PHYSICAL SPECIFICATION

MODEL		M2483B/BD/H/HD	M2483K/KD/N/ND	M2485/B/BD H/HD/K/KD/N/ND	M2485B1/BD1 H1/HD1/K1/KD1/ N/ND1
Dimensions	Height	127 mm (5.0 in.)	127 mm (5.0 in.)	282 mm (11.1 in.)	282 mm (11.1 in.)
	Width	217 mm (8.5 in.)	217 mm (8.5 in.)	222 mm (8.7 in.)	222 mm (8.7 in.)
	Depth	400 mm (15.7 in.)	380 mm (14.9 in.)	440 mm (17.3 in.)	650 mm (25.6 in.)
Weight		12 kg (26.4 lbs) max		20 kg (44.1 lbs)	30 kg (66.1 lbs) max
Ambient temperature (operating)		10 degree's C to 40 degree's C (50 degree's F to 104 degree's F)			
Relative humidity (operating)		20% to 80% (non-condensing)			
Wet bulb		29 degree's C (84.2 degree's F)			
Altitude (operating)		up to 1,800 m (6,000 ft.)			
Power requirements (DC for drive unit)		+24volts +/- 10% / -7% 4.0 amps			
(AC for optional power supply)		+12 volts +/- 7% 2.0 amps			
		+5 volts +/- 5% 16.0 amps			
		-5.2 volts +/- 5% 5.0 amps			
		100 to 120/200 to 240 VAC +/- 10%, Switched automatically			
Vibration	operating	0.5 G (3 to 60 Hz, Sine wave)		0.25 G (3 to 60 Hz, Sine wave)	
	non-operating	1.0 G (3 to 60 Hz, Sine wave) 3 -- 60 -- 3 Hz run 2 min. 30 cycles		0.5 G (3 to 60 Hz, Sine wave) 3 -- 60 --3 Hz run 2 min. 30 cycles	
Noise level	Less than 50 db's				
Mean time to repair (MTTR)		Less than 30 minutes			
Mean time between failures (MTBF)		30,000 hours		26,000 hours	13,000 hours