

Fujitsu Quality Storage Products

1/2-inch cartridge tape drives
M2488E Series



Fujitsu offers the M2488E series of low-cost, half-inch cartridge tape drives with 8-inch form factor. The M2488E series has the smallest footprint in the industry and has features that are compatible with the IBM 3480/3490/3490E. The M2488E series provides users with full 36-track read/write and 18 track read function in a single tape drive. In addition, now it provides 18 track capability*. Because of its low cost, compactness, and flexible configurability, the M2488E series is ideal for minicomputer, network, and stand-alone desktop applications.

FUNCTIONAL SPECIFICATIONS

Model		M2488E	M2488EA	M2488EF
Data transfer rate	Host	14MB/s max. (asynchronous mode) 20MB/s max. (synchronous mode)		
	Drive/Controller	3.0MB/s		
Host interface		ANSI Standard SCSI-2		
Data buffer capacity		2MB		
Recording format		18/36-track ANSI extended magnetic tape format parallel		
Tape speed		2.0 m/s (78.6 IPS)		
Recording density		74,472 bpi		
Recording capacity (1)		1.2GB/2.4GB (2)		
No. of tracks		36 (18-track serpentine)		
Load/unload time (typical)		13/13 sec.	31/20 sec.	20/20 sec.
Rewind time (typical)		65 sec./120 sec.(2)		
Automatic cartridge loading feature (standard)		-	ACL	FACL

(1) standard capacity with EDRC

(2) with double length tape

Features

- 36 track read/write and 18 track read, plus 18 track write capability
- 36-track bi-directional recording format
- ANSI compliant microcode, designed to be fully compatible with the ANSI standard for SCSI-2
- Fujitsu's enhanced data recording capability (EDRC), compatible with IBM's improved data recording capability (IDRC)
- Field-upgradable automatic cartridge loader (ACL) flush-mount automatic loader (FACL) options
- Four kinds of interface personal module (IPM) for easy modification of SCSI Interface:
 - Fast & wide single-ended
 - Fast & wide differential
 - Normal & narrow single-ended
 - Normal & narrow differential
- 2MB Buffer
- Fast data transfer rate of up to 20MB/s (fast/wide synchronous)
- Compact and space-saving

PHYSICAL AND RELIABILITY SPECIFICATIONS

Model		M2488E	M2488EA	M2488EF
Dimensions	Height	127mm (5.0in.)		
	Width	217mm (8.5in.)		
	Depth	400mm (15.7in.)		
Weight		12kg (26.4lb.)	23kg (50.7lb)	24kg (52.9lb)
Ambient temperature (operating)		10°C to 40°C (50°F to 104°F)		
Relative humidity		20% to 80% RH (non-condensing)		
Altitude (operating)		3,050 m (10,000 ft.)		
Power requirements (AC for power supply)		100 to 120VAC; 200 to 240VAC±10%		
Vibration	(operating)	0.5G (3 to 60Hz, Sine wave)		
	(non-operating)	1.0G (3 to 60Hz, Sine wave) 3→60→3Hz run 2 min. 30 cycles		
Noise level		Less than 50dB		
Mean time to repair (MTTR)		Less than 30 minutes		
Mean time between failures (MTBF)		50,000 hours		

Notice: The data created by M2488E series may not be fully compatible with some of Fujitsu 18 track tape drives or those of other companies.

For further information, contact your local Fujitsu representative.

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Specifications are subject to change without notice. For the latest information, contact your local Fujitsu representative.

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