MCM 3130SS / 3130AP

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MCM 3130SS / MCM 3130AP
1.3 GB Magneto-Optical Disk Drives

- Maximum 1.3 GB capacity per media
- 23 ms average access time
- Up to 6.7 MB/s internal data transfer rate
- Fully downward compatible to 640 MB, 540, 230 and 128 MB MO Disks
- ULTRA SCSI or ATAPI interface

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THE POSSIBILITIES ARE INFINITE

MCM 3130SS / MCM 3130AP

This new generation of **Fujitsu's** 3.5" MO Disk Drives offer the user highest performance and superior reliability for data stored on MO disks.

The total cost of ownership is extremely low, ie. one 1.3 GB MO disk costs just 0.01 per MB. These new internal devices are available with either an ATAPI or an ULTRA SCSI interface, which means system integration is very simple. The small form factor of 3.5" by 1" height, means these devices can be assembled directly into the 3.5" (Floppy Disk) bay of a PC giving the user a powerful and easy-to-handle backup system. Of course, the strength of Fujitsu's 3.5" MO Disk Drives is not only the extremely high

security for data stored on MO disks. Unlike some other removable storage systems, MO Drives allow direct access to stored data with similar performance to a hard disk drive. This makes working with MO Drives very easy. Emails, presentations, graphic files, business data, images, photos, audio/video files or documents – all your valuable data can be safely archived on MO disks and accessed quickly and simply.

Functional Specifications

Model		MCM 3130 AP / MCM 3130 SS				
Storage capacity		128 MB	230 MB	540 MB	640 MB	1.3 GB
	Unformatted	725 bytes	725 bytes	778 bytes	2,584 bytes	
	Formatted	512 bytes			2,048 bytes	
Standard		ISO/IEC 10090	ISO/IEC 13963	ISO/IEC 15041		-
Interface	MCM 3130 AP	ATAPI				
	MCM 3130 SS	ULTRA SCSI				
Data transfer rate (max.)	Drive	1.65 MB/s	2.00 - 3.16 MB/s	3.54 - 5.94 MB/s	3.52 - 5.87 MB/s	3.92 - 6.70 MB/s
	Interface ATAPI	16.6 MB/s (PIO Mode 4, DMA Mode 2), 33.3 MB/s asynchron				
	Interface SCSI	20 MB/s synchron, 5 MB/s asynchron				
Recording density (µm/bit)		1.04 (24,424 BPI)	0.87 (29,308 BPI)	0.48 (52,900 BPI)		0.285 (89,100 BPI)
Track density (µm/bit)		1.60 (15,875 TPI)	1.39 (18,275 TPI)	1.10 (23,090 TPI)		0.90 (28,200 TPI)
Seek time	Random seek	23 ms (typ.)				
Average latency time		5.5 ms				8.2 ms
Rotational speed		5,455 rpm				3,637 rpm
Recording code		2 - 7 RLLC		1 - 7 RLLC		
Load time		8 sec. (typ.)				12 sec. (typ.)
Unload time		4 sec. (typ.)				
Buffer size		1,844 KB				

Physical Specifications

Power requirements		5 V DC ± 5%, 1.2 A (typ.): 2.7 A (max.)
Power consumption	Random read/write	5.8 W (typ.)
	Sleep	1.2 W
Dimensions (H x W x D)		25.4 mm x 101.6 mm x 150.0 mm
Weight		410 g
Ambient temperature	Operating	5°C to 45°C
	Non-operating	0°C to 50°C
Relative humidity	Operating	10% to 85% (Non-condensing)
	Non-operating	10% to 85% (Non-condensing)
Vibration	Operating	3.92 m/s^2 (0.4G) (5-500 Hz, sine sweep)
	Non-operating	9.80 m/s^2 (1.0G) (5-500 Hz, sine sweep)
Shock resistance	Operating	19.6 m/s^2 (2.0 G) (10 ms, half-sine pulse)
	Non-operating	49 m/s^2 (5.0 G) (10 ms, half-sine pulse)
	Transport	980 m/s^2 (100 G) (10 ms, half-sine pulse)
Altitude	Operating	Less than 3,000 m
	Non-operating	Less than 12,000 m
Acoustic noise		Less than 30 dBA
Airflow requirement		0.02 m/s^2 min. or lower, 0.3 m/s or lower

Reliability Specifications

Mean time between failures	120,000 power on hours
Component life	5 years or 20,000 power on hours

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

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