



MCE3064SS/MCF3064SS Magneto-Optical Drive



Fujitsu's MCE3064SS/MCF3064SS magneto-optical drives provide capacities up to 640 megabytes on a single disk and data transfer rates of up to four megabytes per second. This series offers a broad range of capabilities.

- Internal data transfer rate of up to 4.96MB/s
- Full read/write compatibility with conventional ISO standard media (128/230/540/640MB), allowing wide media selection on the most rugged removable disks.
- Available in SCSI-2 version

Fujitsu takes magneto-optical (MO) technology to new levels with the second generation 640MB drive. This state-of-the-art, high-performance drive

stores up to 640MB on industry standard 3.5-inch MO disks, delivers a data transfer rate of up to 4.96MB/s., and provides 23 millisecond seek time.

MCE3064SS/MCF3064SS Specifications

Functional specifications		MCE3064SS/MCF3064SS			
Storage capacity		128MB	230MB	540MB	640MB
Sector capacity		512 bytes			2,048 bytes
Standard		ISO/IEC10090	ISO/IEC 13963	ISO/IEC 15041	
Interface		SCSI-2 (Fast 20)			
Data transfer rate	Drive/4,558min ⁻¹	1.37 MB/s	1.65 – 2.65 MB/s	2.95 – 4.96 MB/s	2.94 – 4.90 MB/s
	Drive/3,600min ⁻¹	1.09 MB/s	1.3 – 2.1 MB/s	2.33 – 3.92 MB/s	2.32 – 3.87 MB/s
SCSI-2 Interface		5 MB/s (async); 20 MB/s (sync)			
Recording density (BPI)		24,400	29,300	52,900	
Track density (TPI)		15,875	18,275	23,090	
Seek time	Random seek	23 ms (Typ.)			
	Full stroke	44 ms (Typ.)			
Rotational speed		4,558 min ⁻¹ [RPM] (MCE3064SS) / 3,600 min ⁻¹ [RPM] (MCF3064SS)			
Average latency time		6.6 ms (MCE3064SS) / 8.3 ms (MCF3064SS)			
Recording coda		2 – 7 RLL		1 – 7 RLL	
Load time		8 sec. (Typ.)			
Unload time		4 sec. (Typ.)			
Buffer size		2 MB			
Physical Specifications					
Power requirement		5V±5% 1.1A (Typ.); 2.5A (max.)			
Power Consumption	Random R/w	4.9 W			
	Sleep	0.5 W			
Dimensions		25.4 x 101.6 x 150.0 mm			
Weight		470 g			
Ambient temperature	Operation	5°C – 45°C			
	Non-operation	0°C – 50°C			
Relative humidity	Operation	10 – 85 % (non-condensing)			
	Non-operation	5 – 85 % (non-condensing)			
Vibration	Operation	3.92 m/s ² {0.4G} (5 – 500Hz)			
	Non-operation	9.80 m/s ² {1.0G} (5 – 500Hz)			
Shock resistance	Operation	19.61 m/s ² {2.0G} (10ms)			
	Non-operation	490.33 m/s ² {50G} (10ms)			
Altitude	Operation	Less than 3,000 m			
	Non-operation	Less than 12,000 m			
Acoustic noise		Less than 26dB			
Air flow requirement		Less than 0.3 m/s			
Reliability Specifications					
MTBF		120,000 hours			
MTTR		Less than 30 minutes			
Component life		5 years			

Specifications are subject to change without notice.

For the latest information, contact your local Fujitsu representative.

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First edition, April 2000

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Protecting Investments in Data

MO disks are nearly indestructible and completely immune from the problems that plague magnetic media. Shock, vibration, moisture, dust, x-rays, and magnetic fields cannot destroy data stored on an MO disk. And because of their ruggedness, these disks make the perfect medium for office, home, or industry. MO disks can be rewritten an unlimited number of times.

High-Performance Rewritable Storage

The MCE3064SS optical disk drive provides high-capacity, high-reliability storage. It is ideal for backup, archiving, data acquisition, and medium-scale software distribution. With a native data transfer rate of up to 4.96MB/s., this drive meets the requirements of many of today's demanding applications.

Main Features

The new drives are fully compatible with conventional ISO-standard media (640/540/230/128MB), allowing storage of high volumes of user data. The light-weight carriage enables a high-speed seek time of 23ms, and can even handle high rotational speeds of 4,558min⁻¹ (rpm). Moreover, adoption of a new type of LSI enables the drive to handle high-speed interfaces of up to 20MB/s. In addition, servo-generated noise has been greatly reduced; the MCE3064SS/MCF3064SS is 16dB quieter than its predecessor, the MCB3064.

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Printed in Japan

BC0120-1S