



Optical

MCD3130SS 1.3GB Magneto- Optical Drive

The MCD3130SS magneto-optical drive delivers an industry-leading capacity of 1.3 gigabytes on a single, rewritable 3.5" disk.

- Industry-leading 1.3GB capacity
- Utilizes Magnetic Super Resolution (MSR) technology
- Fast SCSI-2 interface
- Unlimited rewrite capability on MO disks
- Data transfer rate up to 5.9MB/sec.
- Reads and writes to 1.3GB, 640MB, 540MB, 230MB and 128MB disks

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Mobile

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Desktop

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Enterprise

Fujitsu takes magneto-optical (MO) technology to a new level with the MCD3130SS, the world's first 1.3GB 3.5" magneto-optical drive. This state-of-the-art, high-performance SCSI drive stores up to 1.3GB on a single MO disk, provides a 28 millisecond seek time, and boasts a Mean-Time-Between-Failure (MTBF) of 120,000 hours.

High-Performance Storage

The MCD3130SS optical drive provides high-capacity and high-reliability storage. It is ideal for users who require high density and performance for multimedia, audio, video, archiving or industrial applications such as medical imaging and engineering. With data transfer rates up to 5.9MB/sec., this drive meets the requirements of today's demanding applications.

Fujitsu is able to achieve the highest capacity of any 3.5" magneto-optical drive with the advent of Magnetic Super Resolution (MSR) technology.

MSR enables the drive to read and write to 1.3GB disks at nearly twice the linear bit density, while maintaining full compatibility with conventional MO disks.

Protecting Investments in Data

Fujitsu MO disks are virtually indestructible, and highly resistant to the problems that plague magnetic media. Magneto-optical disks offer tremendous benefits for long-term storage. They can be rewritten more than 10 million times and withstand hostile environmental conditions such as

shock, vibration, moisture, dust, and magnetic fields without loss of data. Each disk comes with a lifetime warranty and because of their ruggedness, they make the perfect medium for office, home or industry.

Multiple Media Options

The MCD3130SS is read/write compatible with 1.3GB GIGAMO disks, all 3.5" ISO MO disks—640MB, 540MB, 230MB and 128MB—as well as overwrite (OW) media. No other storage solution offers as many options to tailor the media

selection to the application while providing such a high level of investment protection.

About Fujitsu Computer Products of America

Fujitsu Computer Products of America, Inc. is a wholly owned subsidiary of Fujitsu Limited, one of the world's largest computer companies with \$37.7 billion in worldwide revenue. Benefiting from Fujitsu Limited's \$3 billion annual investment in research and development, Fujitsu Computer Products provides innovative solutions for the U.S. marketplace. Current product offerings include high-performance hard disk drives, tape drives, magneto-optical drives, high-volume scanners, and printers.

MCD3130SS Specifications					
Model	MCD3130SS				
Functional Specifications					
Disk format	ISO 10090	ISO 13963	ISO 15041	GIGAMO	
Storage capacity by disk	128 MB	230 MB	540 MB	640 MB	1.3 GB
Sector size	512 bytes			2,048 bytes	
Random seek time	28 ms				
Average latency time	6.7 ms				9.3 ms
Rotational speed	4,500 RPM				3,214 RPM
Recording density (BPI)	24,400	29,300	52,900	89,100	
Track density (TPI)	15,875	18,275	23,090	28,200	
Data transfer rate	Drive	1.3 MB/s	1.6-2.6 MB/s	2.9-4.9 MB/s	3.4-5.9 MB/s
	SCSI-2 Interface	5 MB/s (async) 10 MB/s (sync)			
Recording code	2-7 RLL		1-7 RLL		
Interface	SCSI-2 (single-ended)				
Average load time	6 sec.				10.5 sec.
Average unload time	3 sec.				
Buffer size	2 MB				
Physical Specifications					
Power requirements	5VDC±5%: 1.2A (avg.); 2.5A (max.)				
Power consumption	Operating	5.6 W			
	Ready	4.5 W			
	Sleep Mode	1.0 W			
Dimensions (H x W x D)	25.4 x 101.6 x 150.0 mm (with bezel)				
Weight	465 g (with bezel)				
Ambient temperature	Operating	5°C - 45°C			
	Non-operating	0°C - 50°C			
Relative humidity	10-85% (non-condensing)				
Vibration	Operating	0.4G (5-500Hz)			
	Non-operating	1.0G (5-500Hz)			
Shock	Operating	2.0G (5 ms)			
	Non-operating	50G (5 ms)			
Altitude	Operating	3,000 m			
	Non-operating	12,000 m			
Reliability Specifications					
MTBF	120,000 hours				
Component life	5 years				

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