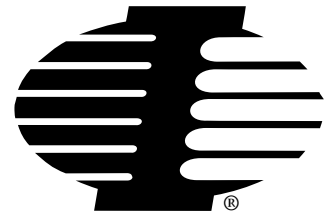


# Model M2513A



## Re-Writeable Optical 3½" Fujitsu Drive



### FEATURES

- **ISO Standards**
- **Compatible with 640MB, 540MB, 230MB or 128MB Re-Writeable MO Disk**
- **2MB Cache Version Available**
- **Internal Data Transfer Rate up to 3.9MB/Sec**
- **Up to 2 Times Faster Write Performance with (Direct-Overwrite) Media**

### DESCRIPTION

MO's technology is ideal for saving large files where data integrity is critical. With near-hard-drive speed, files are readily retrievable and easily transferable. The M2513A uses four different media capacities: 640MB, 540MB, 230MB, or 128MB. The M2513A offers excellent performance with a seek time of 35 ms, backed up with a 512KB or 2MB buffer. Using 640MB Light Intensity Modulation Direct Overwrite (LIMDOW) media, the data transfer rate for continuous writing will be up to 3.07 MB/s.

The MO cartridge is approximately the same size as existing 3.5-inch floppy disk cartridges but stores 440 times their capacity. This is the equivalent capacity of a CD-ROM; however, the MO can be rewritten an unlimited number of times. MO media has been tested for over 10 million rewrites, while CD-ROMs are limited to reading data only. Furthermore, unlike magnetic media,

the MO cartridges are not affected by physical shock or magnetic fields. What are the advantages of the Fujitsu MO drive over an Iomega Zip or Jazz drive? Data stored on an MO cartridge is safe for 30 years compared to shelf life of approximately 10 years for other drives. Because it takes a magnetic field and the heat generated by a laser to corrupt the data on optical media, it is virtually a risk-free lifetime storage solution. Also, because the read/write head hovers at safe distance from the surface of the media there is much less danger of damage from dust or other contamination.

The new 640MB MO drive is an ideal removable storage device not only for distributing huge volumes of data in place of CD-ROMs or backing up important data instead of tape drives, but also for more data-intensive, capacity-hungry multimedia applications, including working with movie, graphic, photographic and sound files.



## SPECIFICATIONS

---

### Storage capacity by disk

128MB  
230MB  
540MB  
640MB

### Sector capacity

512 bytes  
2,048 bytes

### Format

90 mm

### Standard

ISO/IEC 10090  
ISO/ICE 13963  
ISO/ICE 15041

### Interface

SCSI-2 (Single-ended)

### Data transfer rate Drive

1.09 MB/s  
1.3-2.1 MB/s  
2.3-3.9 MB/s

### Interface

5 MB/s (asynch.); 10 MB/s (sync.)

### Recording density

24,400 BPI  
29,300 BPI  
52,900 BPI

### Track density

15,875 TPI  
18,256 TPI  
23,090 TPI

### Seek time\*

64 tracks 20 ms  
1/3 stroke 35 ms  
Full stroke 70 ms

### Average latency time

8.3 ms

### Rotational speed

3,600 rpm

### Recording code

2-7 RLLC  
1-7 RLLC

### Load/unload time

7 sec. / 4 sec.  
Buffer size 512 KB (2MB optional)

### Power requirement

5V+/-5%: 1.4A(ave.); 2.0A (max)

### Power consumption

Ready 5W  
Random R/W 8W  
Sleep 1.5W

### Dimensions

25.4 x 101.6 x 146.0 mm

### Weight

470 g

### Mean time between failures

(MTBF) 60,000 power-on hours  
Mean time to repair  
(MTTR) Less than 30 minutes  
Component life 5 years

### Ambient temperature

Operation 5°C-45°C  
Non-operation 0°C-50°C

### Relative humidity

10-85% (non-condensing)

### Vibration

Operation 0.4G (5-500Hz)  
Non-operation 0.6 (5-500Hz)

### Shock resistance

Operation 2G (10 ms)  
Non-operation 50G (10 ms)

## ORDERING GUIDE

---

### Model M2513A

Optical Drive Only, No Media Included

### Model EDM-128

Optical Disk Media, 128MB, Re-Writeable

### Model EDM-230

Optical Disk Media, 230MB, Re-Writeable



**INDUSTRIAL COMPUTER SOURCE®**

6260 Sequence Drive San Diego, CA 92121-4371

**1-800-523-2320**  
<http://www.indcompsrc.com>