



Optical

The DynaMO® Family of Magneto- Optical Removable Storage Drives

The DynaMO series of magneto-optical drives feature fast, innovative technologies with capacities of up to 1.3 gigabytes at an affordable price.

- Available in a multitude of interfaces—FireWire, Ultra SCSI, USB and ATAPI
- Data transfer rates up to 5.9 MB/sec
- Up to 20 MB/s interface
- Dust, liquids and magnets do not affect data stored on MO disks
- Unlimited rewrite capability on MO disks
- Drives are backward compatible with 1.3GB, 640MB, 540MB, 230MB or 128MB media

Mobile

Desktop

Enterprise

Fujitsu takes the convenience of magneto-optical (MO) technology to exciting new levels with the DynaMO family of removable storage drives. Featuring the FireWire DynaMO 1300FE/640FE, SCSI and USB external DynaMO 1300SF+USB/640SF+USB, SCSI internal DynaMO 1300SZI/640SZI and ATAPI DynaMO 640AI. These state-of-the-art drives feature various interfaces—FireWire, ATAPI, USB and SCSI—the highest performing and easiest-to-use external drive interfaces on the market today. The speed and simplicity of these drives partnered with the reliability and backwards compatibility of MO technology make the 1.3GB DynaMO 1300 and 640MB DynaMO families superior removable storage solutions.

High-Performance Storage

The DynaMO external and internal drives provide high-capacity, high-reliability storage. The 400 Mb/s/sec. DynaMO FireWire interface is 2.5 times faster than Ultra SCSI. Offering up to 5.9MB/sec. data transfer rates and up to 1.3GB of

storage, these DynaMO drives are perfect for capturing video, audio, large graphic files and other demanding applications.

Protecting Investments in Data

Fujitsu 3.5-inch MO disks are extremely rugged and highly tolerant of the problems that plague magnetic media. Shock, vibration, moisture, dust and magnetic fields won't destroy data stored on a MO disk. Each disk comes with a lifetime warranty and because of their ruggedness, they make the perfect medium for office, home or industry.

Multiple Disk Options

The DynaMO external and internal drives are read/write compatible with all ISO compliant, 3.5-inch disk capacities: 640MB, 540MB, 230MB and 128MB, as well as Over-Write disks. Using Over-Write disks can increase write performance by up to 33%. The DynaMO 1300FE/SF+USB/SZI drives can also read and write to 1.3GB GIGAMO standard disks. 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 and affordability.

DynaMO Family Product Specifications						
Model		DynaMO 1300SF/1300 SZI/1300 USB/ 640SF/1300FE/640FE/640 AI/640 USB			DynaMO 1300FE/ SF/SZI/USB	
Functional Specifications						
Storage capacity by disk		128MB	230MB	540MB	640MB	1.3GB
Standard		ISO/IEC 10090	ISO/IEC 13963	ISO/IEC 15041		GIGAMO
Sector capacity		512 bytes			2,048 bytes	
Format		90 mm				
Data transfer rate (max.)	Drive	640 SF-USB/ FE/AI/SZI	1.1 MB/s	1.3-2.1 MB/s	2.3-3.9 MB/s	
		1300 SF+USB/ FE/SZI	1.3 MB/s	1.6-2.6 MB/s	2.9-4.9 MB/s	
	Interface		90 mm			
	Ultra SCSI	1300SZI/ 640SZI	5 MB/s (async.), 20 MB/s (sync.)			
	IDE (ATAPI)	640 AI	16.6 MB/s (PIO Mode 4/DMA Mode 4)			N/A
	Ultra SCSI	1300SF+USB/ USB 1.1	Ultra SCSI, 5 MB/s (async.), 20 MB/s (sync.) USB 1.1, 12 Mbits/s			
	IEEE 1394 (FireWire)	1300FE/ 640FE	400 Mbits/s			
Recording density (BPI)		24,400	29,300	52,900	89,100	
Track density (TPI)		15,875	18,275	23,090		28,200
Random Seek time		28 ms				
Average latency time		8.3 ms (640) / 6.6 ms (1300)			9.3 ms	
Rotational speed		3,600 RPM (640SF/SZI/FE/AI) / 4,500 RPM (1300)			3,214 RPM	
Recording code		2-7 RLL		1-7 RLL		
Load/unload time		7 sec. (640) / 8 sec. (1300)			12 sec.	
Buffer size		2 MB				
Physical Specifications						
Power requirements	AC adapter	100-240 V AC				
	1394 power	8-33 V DC (2 amp min.)				
Dimensions (H x W x D)	1300SF+USB/640SF+USB	33.5 mm x 122 mm x 224 mm				
	1300FE/640FE	33 mm x 121.5 mm x 225 mm				
	1300SZI/640SZI/640AI	25.4 mm x 101.6 mm x 150 mm				
Weight	1300SF+USB/640SF+USB	1000 g or less				
	1300FE/640FE	900 g or less				
	1300SZI/640SZI/640AI	480 g (with bezel)				
Ambient temperature	Operating	5°C - 35°C				
	Non-operating	0°C - 50°C				
	Gradient	15° C/h (operating)				
Relative humidity		10% - 85% (non-condensing)				
Vibration	Operating	0.4 G (5 to 500Hz)				
	Non-operating	1.0 G (5 to 500Hz)				
Shock	Operating	2.0 G (10 ms)				
	Non-operating	50.0 G (10 ms)				
Altitude	Operating	3,000 m				
	Non-operating	12,000 m				
Limited Warranty		1 year (from date of purchase) / No Excuses End User Replacement Program available for certain purchasers. Visit www.fcpa.com for full details and restrictions.				

About Fujitsu Computer Products of America, Inc.

Fujitsu Computer Products of America, Inc. is a wholly owned subsidiary of Fujitsu Limited, one of the world's largest computer companies with \$49.6 billion in worldwide revenue in fiscal year 2000. Benefiting from Fujitsu Limited's \$3 billion annual investment in research and development, FCPA provides innovative solutions for the U.S. marketplace. Current product offerings include high-performance disk drives, tape drives, magneto-optical drives, high-volume scanners, and printers.



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