

[www.fel.fujitsu.com](http://www.fel.fujitsu.com)



### DynaMO 640 Photo External 640 MB MO drive

- USB 2.0 interface (480 Mbits/s)
- Integrated PCMCIA card reader/writer
- Integrated LCD display
- 300 pictures (2 MB/picture) per cartridge
- 25 ms average access time
- Up to 3.9 MB/s internal data transfer rate



D Y N A **MO**

# FUJITSU

THE POSSIBILITIES ARE INFINITE



Fujitsu's **DynaMO 640 Photo** is an ideal accompaniment to your digital camera.

The DynaMO 640 Photo is an MO drive with an integrated PCMCIA flash card drive, which via an appropriate PCMCIA card can read all standard storage media, including memory sticks, compact flash, SD memory cards and Multimedia cards without having to take a notebook or computer when travelling.

Simply by inserting the memory stick into the PCMCIA card and inserting it in to the DynaMO 640 Photo in just a few seconds all your images have been securely transferred onto an MO cartridge, meaning that you can simply reuse the memory stick again and again. Each MO cartridge can hold up to 640 MB of data.

The LCD display allows the user to browse what is currently stored on the MO cartridge and if necessary transfer these images on to other memory cards at the push of a button. Your pictures are easily

digitally archived making them completely secure against data loss, and you do not need to buy additional memory sticks for your camera.

The DynaMO Photo is a small/compact design measuring just 38 x 180 x 114 mm (H x W x D). The drive runs at an RPM of 3,600 rpm and has a maximum internal data transfer rate of up to 3.9 MB/s through the ATAPI interface. Included with the drive is an AC adapter, CD Drivers, user manual, and USB interface cable.

Magneto-Optical technology has been designed to combine the most important factors for removable storage including performance, capacity, rewritability, reliability and ease of use in an ideal balance. It also provides an extremely cost effective and superior alternative to other removable technologies.



## Functional Specifications

MO drive		MCG3064AP			
Disk Format (90mm MO disk)		ISO 10090	ISO 13963	ISO/IEC 15041	
Storage Capacity	Unformatted	181 MB	325 MB	819 MB	818 MB
	Formatted	128 MB	230 MB	538 MB	643 MB
Sector Capacity (formatted)		512 Bytes		2,048 Bytes	
Seek Time*1	Random seek	25 ms typ.			
	Full stroke	60 ms typ.			
Average latency time		8.3 ms			
Rotational speed		3,600 rpm			
Load time		7 sec			
Unload time		5 sec			
Buffer size		2 MB (Detailed spec: refer to MCF3064AP spec.)			
Internal interface		ATAPI			
Internal data transfer rate	to/from media (max)	1.09 MB/s	1.3 to 2.1 MB/s	2.3 to 3.9 MB/s	2.3 to 3.9 MB/s
	cont. write	0.256 MB/s	0.31 to 0.49 MB/s	0.51 to 0.86 MB/s	0.61 to 1.02 MB/s
	cont. overwrite	-	0.46 to 0.73 MB/s	0.72 to 1.29 MB/s	0.92 to 1.53 MB/s
	cont. read	0.76 MB/s	0.92 to 1.47 MB/s	1.52 to 2.58 MB/s	1.48 to 3.07 MB/s
	to/from bridge board	16.0 MB/s			
PC card slot		PC card standard TYPE2			
Supporting memory cards*3		Compact flash card (CF) <sup>2</sup> , SD card (SD), Smart Media (SM), Memory Stick (MS), Flash ATA card (includes 1.8" HDD), Micro Drive (1" HDD)			
Interface		USB 2.0 (Hi-speed/Full-speed)			
Data transfer rate	to/from ext. interface	up to 480 Mbps (Hi-speed) <sup>2</sup> , up to 12 Mbps (Full-speed)			
<b>Physical Specifications</b>					
Power requirements	Operating	5W typ. (tentative)*4			
Dimensions (H x W x D)		38 x 180 x 114 mm			
Weight		less than 570 g			
Ambient temperature		Operating: 5°C to 35°C, Non-operating: 0°C to 50°C, Gradient: 15°C per hour			
Relative humidity		Operating: 10% to 85% (non condensing), Non-operating: 10% to 85% (non condensing), Max. wet bulb: 29°C (op.)/36°C (non-op.)			
Vibration		Operating: 3.9 m/s <sup>2</sup> (0.4G) (5 to 400 Hz), Non-operating: 9.8 m/s <sup>2</sup> (1.0G) (5 to 500 Hz)			
Shock		Operating: 19.6 m/s <sup>2</sup> (2.0G) 10 ms, Non-operating: 49 m/s <sup>2</sup> (5.0G) 10ms, 980 m/s <sup>2</sup> (100G) 10ms			
Altitude		Operating: 0 to 3,000 m, Non-operating: 0 to 12,000 m			
Acoustic noise		35 dBA at 1m			
<b>Reliability Specifications</b>					
MTBF*5		More than 107,000 POH			
Error rates		Recoverable errors: 10 per 10 <sup>9</sup> seek, Seek errors: 10 per 10 <sup>7</sup> seek			
Compatibility		Windows 98 / 98 second edition / Me / 2000 Pro / XP Pro, Mac OS 9.0.4 or later, Mac OS X 10.0.1 or later			

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

### Fujitsu Europe Limited

Hayes Park Central  
Hayes End Road  
Hayes Middlesex UB4 8FE  
England  
Tel: (+44-(0)20) 8573 4444  
Fax: (+44-(0)20) 8573 2643  
www.fel.fujitsu.com

### Fujitsu Italia S.p.A.

Via Nazario Sauro, 38  
20099 Sesto San Giovanni (MI)  
Italy  
Tel: (+39) 0226294.1  
Fax: (+39) 0226294.201  
www.fis.fujitsu.com

### Fujitsu Deutschland GmbH

Frankfurter Ring 211  
80807 Munich  
Germany  
Tel: (+49-(0)89) 32378-0  
Fax: (+49-(0)89) 32378-100  
www.fdg.fujitsu.com

