



MCM3130AP/MCM3064AP Magneto-Optical Drive



Fujitsu MCM3064AP magneto-optical drives provide capacities up to 640 megabytes on a single disk and data transfer rates of up to six megabytes per second.

Fujitsu also introduces the MCM3130AP, featuring 1.3GB capacity in a 3.5-inch disk. This capacity is achieved by incorporating Magnetically-Induced Super Resolution (MSR) technology, which allows significantly greater linear and tracking densities.

- Internal data transfer rate up to 5.94MB/sec (MCM3064AP) and 6.70MB/sec (MCM3130AP)
- Full read/write compatibility with conventional ISO standard media (640/540/230/128MB)
- Up to 30% faster write performance with OW (Direct-Overwrite) media
- Available in ATAPI version



GIGAMO is a new technology standard for 3.5" MO drives and media with over 1GB capacity. GIGAMO has full read/write compatibility with conventional ISO-standard media (128/230/540/640MB).

1.3GB

Fujitsu takes new magneto-optical (MO) technology to new levels with its 640MB and 1.3GB drives. This state-of-the-art, high-performance

MCM3064AP stores up to 640MB and, similarly, MCM3130AP stores up to 1.3GB, with high performance of 5,455min⁻¹ [rpm] rotational speed and fast seek time of 23 ms.

The new drives achieve a 20% faster file copy performance for 128MB, 230MB, 540MB, and 640MB media compared with previous drives.

MCM3130AP/MCM3064AP Specifications

Functional specifications		MCM3130AP				
		MCM3064AP				
Storage capacity		128MB	230MB	540MB	640MB	1.3GB*
Sector capacity	Unformatted	725 bytes	725 bytes	778 bytes	2,584 bytes	2,631 bytes
	Formatted	512 bytes			2,048 bytes	
Standard		ISO/IEC10090	ISO/IEC 13963	ISO/IEC 15041		—
Interface		ATAPI				
Rotational speed		5,455 min ⁻¹				3,637 min ⁻¹
Data transfer rate	Drive	1.65MB/s	2.00 – 3.16MB/s	3.54 – 5.94MB/s	3.52 – 5.87MB/s	3.92 – 6.70MB/s
	Interface	16.6MB/s (PIO mode 4, DMA mode 2), 33.3MB/s (UltraDMA mode2)				
Recording density (µm/bit)		1.04 [24,424 BPI]	0.87 [29,308 BPI]	0.48 [52,900 BPI]		0.285 [89,100 BPI]
Track density (µm/bit)		1.60 [15,875 TPI]	1.39 [18,275 TPI]	1.10 [23,090 TPI]		0.90 [28,200 TPI]
Seek time	Random seek	23ms (typ.)				
Average latency time		5.5ms				8.2ms
Recording code		2 – 7 RLLC		1 – 7 RLLC		
Load time		8 sec. (typ.)				12 sec. (typ.)
Unload time		4 sec. (typ.)				
Buffer size		1,844 KB				
Physical Specifications						
Power requirement		5VDC±5% 1.2A (typ.); 2.7A (max.)				
Power consumption	Random read/write	5.8 W (typ.)				
	Sleep	1.2 W				
Dimensions		25.4 x 101.6 x 150.0 mm				
Weight		410 g				
Ambient temperature	Operation	5°C – 45°C				
	Non-operation	0°C – 50°C				
Relative humidity	Operation	10 – 85 % (non-condensing)				
	Non-operation	10 – 85 % (non-condensing)				
Vibration	Operation	3.92m/s ² [0.4G] (5 – 500Hz, sine sweep)				
	Non-operation	9.80m/s ² [1.0G] (5 – 500Hz, sine sweep)				
Shock resistance	Operation	19.6m/s ² [2.0G] (10ms, half-sine pulse)				
	Non-operation	49m/s ² [5.0G] (10ms, half-sine pulse)				
	Transport	980 m/s ² [100G] (10ms, half-sine pulse)				
Altitude	Operation	Less than 3,000m				
	Non-operation	Less than 12,000m				
Acoustic noise		Less than 30dBA				
Air flow requirement		0.02m ³ /min or lower, 0.3m/s or lower				
Reliability Specifications						
MTBF		120,000 power-on hours				
Component life		5 years				

*1 MCM3064AP is not support 1.3G medium.

Specifications are subject to change without notice.
For the latest information, contact your local Fujitsu representative.
All brand names and product names are trademarks and registered trademarks of their respective holders.
First edition, March 2002

<p>North American contact: FUJITSU COMPUTER PRODUCTS OF AMERICA, INC. 2904 Orchard Parkway, San Jose, CA 95134-2009, U.S.A. Phone: (1-408) 432-6333 Fax: 894-1709 HOME PAGE: http://www.fcpa.com/</p> <p>FUJITSU CANADA, INC. 2800 Matheson Boulevard East, Mississauga, Ontario L4W 4X5, Canada Phone: (1-905) 602-5454 Fax: 602-5457 HOME PAGE: http://www.fujitsu.ca/</p> <p>European contact: FUJITSU EUROPE LTD. Hayes Park Central, Hayes End Road Hayes, UB4 8FE, U.K. Phone: (44-20) 8573-4444 Fax: 8573-2643 HOME PAGE: http://www.fujitsu-europe.com/</p> <p>FUJITSU DEUTSCHLAND GmbH. Frankfurter Ring 211, 80807 München, Germany Phone: (49-89) 32378-0 Fax: 32378-100</p>	<p>FUJITSU ITALIA S.p.A. Via Nazario Sauro, 38 20099 Sesto S. Giovanni (MI), Italy Phone: (39-2) 26294-1 Fax: (39-2) 26294-201</p> <p>FUJITSU NORDIC AB Kung Hans Väg 12, S-192 68 Sollentuna, Sweden Phone: (46-8) 626-4500 Fax: 626-4588</p> <p>FUJITSU ICL ESPAÑA, S.A. Camino Cerro de los Gamos, 1 28224, Pozuelo de Alarcón Madrid, Spain Phone: (34-91) 784-9000 Fax: 784-9266 HOME PAGE: http://www.mo.fujitsu.es/</p> <p>FUJITSU FRANCE S.A. 1, Place des Etats-Unis, SILIC 310, 94588 Rungis cedex, France Phone: (33-1) 4180-3880 Fax: 4180-3866</p> <p>FUJITSU DO BRASIL LTDA. Rua Treze de Maio, 1633, 01327-905, São Paulo, SP, Brazil Phone: (55-11) 3265-0880 Fax: 3265-0850</p>	<p>Australian contact: FUJITSU AUSTRALIA LTD. Fujitsu House 2 Julius Avenue North Ryde N.S.W. 2113, Australia Phone: (61-2) 9776-4555 Fax: 9776-4556 HOME PAGE: http://www.fujitsu.com.au/</p> <p>Asian contact: FUJITSU HONG KONG LTD. 10/F., Lincoln House, 979 King's Road, Taikoo Place, Island East, Hong Kong Phone: (852) 2827-5780 Fax: 2827-4724</p> <p>FUJITSU KOREA LTD. 23-6 Youido-Dong, Youngdungpo-gu, Seoul, Korea, 150-876 Phone: (82-2) 3787-6000 Fax: 3787-6074 HOME PAGE: http://kr.fujitsu.com/</p> <p>FUJITSU ASIA PTE LTD. 20 Science Park Road #03-01, Tele Teck Park Singapore Science Park II, Singapore 117674 Singapore Phone: (65) 777-6577 Fax: 771-5499</p>	<p>FUJITSU TAIWAN LTD. 19th Fl., No.39, 1 Sec. Chung-Hwa Rd., Taipei, Taiwan, R.O.C. Phone: (886-2) 2311-2255 Fax: 2311-2277 HOME PAGE: http://tw.fujitsu.com/</p> <p>FUJITSU MALAYSIA Sdn Bhd 7th Flr. Wisma Damansara Jalan Semantan 50490 Kuala Lumpur Malaysia Phone: (603) 254-3644 Fax: 255-6116</p> <p>FUJITSU SYSTEMS BUSINESS (THAILAND) LTD. 12th Fl., Olympia Thai Tower, 444 Rachadapisek Road, Samsennok, Huaykwang, Bangkok 10310, Thailand Phone: (662) 512-6066 Fax: 512-6068</p> <p>FUJITSU PHILIPPINES, INC. 2nd Fl., United Life Bldg., Pasay Road, Legaspi Village Makati, Metro Manila Philippines Phone: (63-2) 812-4001 Fax: 817-7576</p>
--	---	--	---

FUJITSU LIMITED

Optical Disk Systems Division
1-1, Kamikodanaka 4-chome, Nakahara-ku, Kanagawa 211-8588, Japan
Phone: (81-44) 754-2281 Fax: (81-44) 754-2348
HOME PAGE: <http://mo.fujitsu.com/global/>

Corporate Headquarters
6-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8211, Japan

©2002 FUJITSU LIMITED
Printed in Japan
BC0134-1S