



Hard Drive

**Desktop 10
7200 RPM
3.5-inch IDE
Disk Drive**

**High reliability and
7200 RPM performance.**

- Fast access time of 9ms and increased 512KB buffer for improved performance
- Industry leading 500,000-hour MTBF
- Fifth-generation magneto-resistive (MR) heads
- Increased areal density enables high internal transfer rate up to 19.4MB/s
- S.M.A.R.T. detection system enhances reliability
- Three-year, No Excuses[®] limited warranty

The Fujitsu Desktop 10 7200 RPM disk drive offers fast, 9ms access times and data transfer rates up to 19.4MB/s. Ultra DMA 33 (UDMA 33) eliminates bottlenecks and allows the drive to realize its full throughput potential. A larger, 512KB buffer helps maintain a smooth, high-speed flow of data between the drive and system interface.

Desktop applications that involve large files, such as graphics, database and multimedia, benefit from the superior performance of the Desktop 10 7200 RPM disk drive.

Extreme reliability

Fujitsu's efforts to be a technology leader have resulted in fifth-generation magneto-resistive (MR) head technology. Combined with partial response/maximum likelihood (PRML) read channel technology, the Desktop 10 7200 RPM drive delivers excellent performance. The Desktop 10 7200 RPM drive also incorporates Self-Monitoring Analysis

Mobile

Desktop

Enterprise

and Reporting Technology (S.M.A.R.T.) which gives the user advanced warning of drive irregularities that could affect data integrity.

No Excuses® Limited Warranty Means No Worries

Fujitsu products are designed to give our end users the highest performance and reliability with the least amount of hassle. To prove this, we back the

Desktop 10 7200 RPM disk drive with our exclusive, No Excuses three-year limited replacement warranty.

No Excuses may be the easiest and most comprehensive warranty service available. In the unlikely event of a product defect or malfunction with your Desktop 10 7200 RPM Disk Drive, we will replace it within two business days.

About Fujitsu Computer Products of America

Fujitsu Computer Products 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.

Desktop 10 7200 RPM Disk Drive Specifications		MPC3065AH
Description		
Functional Specifications		
Storage capacity (formatted)		6.5 GB
Disks/heads		3/6
Track capacity (formatted)		82,944 to 124,416 bytes
Bytes/sector		512
Cylinders		10,424
Sectors/track		162 to 243
Recording density		62,754 BPI
Track density		11,000 TPI
Buffer size		512 KB
Interface		Ultra ATA
Seek time	Track to track	2.0 ms Typ.
	Average	Read: 9 ms Typ.; Write: 10 ms Typ.
	Full track	Read: 18 ms Typ.; Write: 19 ms Typ.
Data transfer rate	To/from media	12.8 to 19.4 MB/s
	To/from host	33.3 MB/s (Ultra DMA), 16.7 MB/s (PIO mode 4, DMA mode 2)
Recording code		8/9 PRML
Start time		10 sec Typ.
Stop time		20 sec Typ.
Rotational speed (RPM)		7,200
Average latency		5.56 ms
Head positioning method		ROTARY VCM (Embedded Servo)
Physical Specifications		
Power requirements	Voltage	5V ± 5%/12V ± 8%
	Ripple	100 mVp-p / 200 mVp-p
	Spin-up	+5V: 0.6A / +12V: 1.5A
	Read/write (Typ.)	5.8 W
	Idle (Typ.)	5.5 W
Dimensions	Height	26.1 mm (1.0 in.)
	Width	101.6 mm (4.0 in.)
	Depth	146.0 mm (5.7 in.)
Weight		600 g (21.2 oz)
Ambient temperature	Operating	5°C to 55°C (41°F to 131°F)
	Non-operating	-40°C to 60°C (40°F to 140°F)
	Gradient	20°C (68°F)/H
Relative humidity	Operating	8% to 80% RH (non-condensing)
	Non-operating	5% to 85% RH (non-condensing)
	Max. wet bulb	29°C (non-condensing)
Vibration	Operating	0.5 G _{0-p} (5 to 300 Hz)
	Non-operating	4.0 G _{0-p} (5 to 400 Hz)
Shock	Operating	10 G _{0-p} , 11 ms
	Non-operating	75 G _{0-p} , 11 ms
Altitude	Operating	-60 to 3,000 m (-200 to 10,000 ft.)
	Non-operating	-60 to 12,000 m (-200 to 40,000 ft.)
Acoustic noise (Idle Sound Power) (Typ.)		3.9 bels
MTBF		More than 500,000 POH
Start/stop cycles		40,000 cycles
Error rates	Unrecoverable	1 per 10 ¹⁴ bits read
	Seek	1 per 10 ⁶ seeks



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Printed in the U.S.A. Qty 2M P/N DS22901098

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