

Introducing the world's first 300GB¹ capacity 2.5" mobile hard disk drive.

2.5-Inch, 4,200 RPM

Mobile Hard Disk Drives

MHX2250BT • MHX2300BT

Ultra-high capacity, 2.5" hard disk drive series features perpendicular magnetic recording (PMR) technology.

- ▶ Unmatched capacity of up to 300GB in a 2.5" form factor
- ▶ Features best in class read/write power consumption at 1.6W
- ▶ Mobile 2.5" series features high shock tolerance and low power consumption
- ▶ Delivers outstanding reliability and durability
- ▶ Engineered for audio/video computing applications as well as the high-end PC market



¹ One gigabyte (GB) = one billion bytes; accessible capacity will be less and actual capacity depends on the operating environment and formatting.

FUJITSU

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Mobile Hard Disk Drives

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Fujitsu raises the bar yet again with its latest 2.5" Serial ATA (SATA) hard disk drive (HDD) series.

Featuring perpendicular recording technology as well as storage space of up to 300GB, the new Fujitsu mobile products are the first 2.5" SATA HDDs to achieve this capacity.

The rapidly expanding consumer electronics (CE) market is fueling the demand for products with increased storage capabilities. The new 300GB mobile product was designed to address this need, while still offering the reliability as well as the robust features that have made Fujitsu a technology leader in the industry.

Key specifications of the 2.5" PMR hard disk drives include best-in-class read/write power consumption at 1.6W, whisper-quiet operation, and high shock tolerance. With these benefits, the new Fujitsu mobile series is well-suited for the audio/video computing market, particularly gaming, video editing, audio recording and DVR functionality. The SATA hard disk drives are also ideal for the high-end PC market.

With the introduction of its ultra-high capacity, 2.5" perpendicular hard disk drives, Fujitsu continues to demonstrate its commitment to technology leadership and customer satisfaction.

About Fujitsu Computer Products of America, Inc.

Fujitsu Computer Products of America, Inc. is a subsidiary of Fujitsu Limited, a leading provider of customer-focused IT and communications solutions for the global marketplace. FCPA provides innovative solutions for the U.S. marketplace. Current product and service offerings include high performance hard disk drives, Magneto-Optical drives, scanners and scanner maintenance, palm vein recognition technology, 10Gb Ethernet switches and degaussers.

Fujitsu Computer Products of America, Inc.

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2.5-Inch, 4,200 RPM Series Hard Disk Drive Specifications

Model	MHX2250BT	MHX2300BT
Storage capacity (formatted) ¹	250.0 GB	300.0 GB
Bytes/sector	512	
Seek time	Track to Track	1.5 ms typ.
	Average	12 ms typ. (Read), 14 ms typ. (Write)
	Maximum	22 ms typ.
Average latency	7.14 ms	
Rotational speed	4,200 RPM	
Data transfer to/from host	150 MB/s	
Interface	SATA	
Buffer size	8 MB	
Power requirements	Voltage	5 V ± 5%
	Spin-up	0.9 A max
	Read/Write	1.6 W typ.
	Idle	0.5 W typ.
	Standby	0.13 W typ.
	Sleep	0.13 W typ.
Dimensions	Height	12.5 mm (.49 in.)
	Width	70 mm (2.8 in.)
	Depth	100 mm (3.9 in.)
Weight	135 g (4.76 oz.) or less	
Ambient temperature	Operating	5° C to 55° C (41° F to 131° F)
	Non-operating	-40° C to 65° C (-40° F to 149° F)
	Gradient	20° C (68° F) / H
Relative humidity	Operating	8% to 90% RH (non-condensing)
	Non-operating	5% to 95% RH (non-condensing)
	Max wet bulb	29° C (Op.) / 40° C (Non Op.)
Vibration	Operating	9.8 m/s ² (1.0 G) (5 to 500 Hz)
	Non-operating	49 m/s ² (5.0 G) (5 to 500 Hz)
Shock	Operating	2,940 m/s ² (300 G) 2ms
	Non-operating	8,820 m/s ² (900 G) 1ms
Altitude	Operating	-300 to 3,000 m (-1,000 to 10,000 ft.)
	Non-operating	-300 to 12,000m (-1,000 to 40,000 ft.)
Acoustic noise	HDD Ready	2.1 Bel (typ.)
MTBF	300,000 POH	
Limited Warranty	3 years (from date of purchase)	



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