

2.5-inch Serial ATA Hard Disk Drives feature up to 320GB¹ capacity

2.5-Inch, 5,400 RPM

Mobile Hard Disk Drives

MHZ2080BH • MHZ2120BH • MHZ2160BH

MHZ2200BH • MHZ2250BH • MHZ2320BH

Fujitsu introduces its next generation Serial ATA Hard Disk Drives developed using perpendicular recording

- ▶ Ultra-high capacity mobile Hard Disk Drives feature perpendicular magnetic recording (PMR) technology
- ▶ 2.5-inch Serial ATA (SATA) Hard Disk Drives feature up to 320GB of storage in a slim 9.5mm package
- ▶ Industry leading read/write, idle and standby power consumption
- ▶ Exceptionally high quality, reliability and performance with minimal heat and acoustics
- ▶ Ideal for laptops and consumer electronics applications requiring high speed and high capacity



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

One megabyte (MB) = 1,000 bytes
One gigabyte (GB) = 1,000 megabytes
One gigabit (Gb) = 1,000 megabits
RPM = Revolutions Per Minute

FUJITSU

THE POSSIBILITIES ARE INFINITE

2.5-Inch, 5,400 RPM

Mobile Hard Disk Drives

MHZ2080BH • MHZ2120BH • MHZ2160BH
MHZ2200BH • MHZ2250BH • MHZ2320BH

Fujitsu raises the bar with the introduction of its next generation 2.5-inch SATA Hard Disk Drives with up to 160GB per platter using PMR technology. Since laptop and consumer electronics manufacturers require high capacity SATA Hard Disk Drives in a slim form factor for their products, Fujitsu 3rd generation PMR models are entering the market at an optimal time to satisfy market demand.

Engineered to deliver high capacity in a small form factor, the mobile MHZ2 BH series retains the outstanding level of quality and reliability for which Fujitsu is renowned. The 5,400 RPM mobile Hard Disk Drives achieve up to 320GB capacity, among the highest in the industry with this spindle speed. Featuring up to 320GB of storage space in a 2.5-inch form factor, with low power consumption, acoustic noise, and minimal heat emissions, these SATA Hard Disk Drives are an excellent choice for today's ultra-fast, high-capacity laptop computers and consumer electronics applications.

With the delivery of its next generation, perpendicular recording SATA Hard Disk Drives, Fujitsu continues to demonstrate its strong commitment to technology leadership.

2.5-Inch, 5,400 RPM Series Hard Disk Drive Specifications

Model	MHZ2080BH	MHZ2120BH	MHZ2160BH	MHZ2200BH	MHZ2250BH	MHZ2320BH
Storage capacity (formatted) ¹	80 GB	120 GB	160 GB	200 GB	250 GB	320 GB
Bytes/sector	512					
Seek time	Track to Track	1.5 msec. typ.				
	Average	12 msec. typ. (Read), 14 msec. typ. (Write)				
	Maximum	22 msec. typ.				
Average latency	5.56 msec.					
Rotational speed	5,400 RPM					
Data transfer to/from host	1.5Gb/sec. or 3.0Gb/sec.					
Interface	SATA rev 2.6					
Buffer size ³	8 MB					
Power requirements	Voltage	5 V ± 5%				
	Spin-up	1.0 A max				
	Read/Write	1.9 W typ. (1.5Gb/sec) or 2.1 W typ. (3.0Gb/sec)				
	Idle ²	0.6 W typ.				
	Standby ²	0.13 W typ.				
Dimensions	Height	9.5 mm (0.37 in.)				
	Width	70 mm (2.8 in.)				
	Depth	100 mm (3.9 in.)				
Weight	101 g (3.57 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 or less				
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	3,185 m/s ² (325 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 Idle	2.4 bels (typ.)				
Limited Warranty	3 years (from date of purchase)					

² SATA PHY in slumber mode.

³ A small portion of buffer memory is used for drive firmware control.



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, scanners and scanner maintenance, palm vein recognition technology, 10Gb Ethernet switches and degaussers.

Fujitsu Computer Products of America, Inc.
<http://us.fujitsu.com/fcpa>

1255 East Arques Avenue, Sunnyvale, CA 94085-4701. (800) 626-4686 (408) 746-7000 info@fcpa.fujitsu.com

©2008 Fujitsu Computer Products of America, Inc. All rights reserved. Fujitsu and the Fujitsu logo are registered trademarks and The Possibilities are Infinite is a trademark of Fujitsu Ltd. All other trademarks are the property of their respective owners. All statements herein are valid only in the U.S. for U.S. residents, are based on normal operating conditions, are provided for informational purposes only, and are not intended to create any implied warranty of merchantability or fitness for a particular purpose. Fujitsu Computer Products of America, Inc. reserves the right to modify at any time without prior notice these statements, our products, their performance specifications, availability, price, and warranty and post-warranty programs.



THE POSSIBILITIES ARE INFINITE