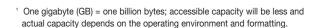
Quiet and robust for 24/7 industrial and business critical applications

2.5-Inch, Extended Duty 5,400 RPM Mobile Hard Disk Drives MHZ2120BS • MHZ2250BS

Fujitsu introduces its next generation 5,400 RPM Extended Duty Hard Disk Drive with Rotational Vibration (RV) compensation technology.

- Extended duty hard disk drives offer 24/7 operation and storage capacities up to 250GB¹
- Featuring Rotational Vibration (RV) compensation technology for reliable operation in multi-drive systems and servers
- ▶ 5,400 RPM spindle speed and SATA interface
- Best-in-class Idle and Sleep/Standby power consumption means cool and efficient operation in industrial and enterprise environments
- Ideal for blade servers, telecom equipment, ATMs, POS systems, medical devices, industrial PC/robot and other business critical applications



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







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Utilizing the vast experience and innovative technology developed over 40 years, Fujitsu enriches the 2.5" SATA Hard Disk Drive (HDD) lineup by introducing the new 5,400 RPM 3.0Gb/sec. SATA model offering industry leading 250GB maximum capacity designed for 24/7 operation. Fujitsu began building 24/7 operation 2.5" ATA HDDs in 2003, offering operational features to meet the growing demand of business critical and industrial applications.

The 5,400 RPM MHZ2-BS series drives are well suited for surveillance cameras, industrial PCs, POS/ATMs, robotics, and other industrial applications with non-stop data access. The new series are also designed with features that minimize the adverse effects of rotational vibration, and offers comparable performance to the traditional 3.5" SATA drives while reducing power consumption, making it an ideal and ecological storage solution for companies. The MHZ2-BS series drives are some of the many new products announced under Fujitsu's Green Policy Innovation initiative, unveiled in December 2007 to promote energy-efficient products and services as a way to 2 A small portion of buffer memory is used for drive firmware control help customers lower their ecological footprint.

2.5-Inch, 5,400 RPM Series Hard Disk Drive Specifications			ve Specifications	
Model		MHZ2120BS	MHZ2250BS	
Storage capacity (formatted) ¹		120 GB	250 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		Max 300 MB/s (SATA 3.0Gb/sec.)		
Interface		SATA 3.0Gb/sec.*		
Buffer size ²		8 MB		
Power	Voltage	5 V ± 5%		
requirements	Spin-up	1.0 A max		
	Read/Write	2.1 W typ.(3.0Gb/sec.) / 1.9 W typ.(1.5Gb/sec.)		
	Idle	0.6 W typ. (w/ Slumber mode)		
	Standby	0.13 W typ. (w/ Slumber mode)		
	Sleep	0.13 W typ. (w/ Slumber mode)		
Dimensions	Height	9.5 mm (0.37 in.)		
	Width	70 mm (2.8 in.)		
	Depth	100 mm (3.9 in.)		
Weight		96 g or less		
Ambient Operating		5°C to 55°C (4	5°C to 55°C (41°F to 131°F)	
temperature	Non-operating	-40°C to 65°C (-40°F to 149°F)		
	Gradient	(/	20°C (68°F) / H or less	
Relative	Operating	8% to 90% RH (RH (non-condensing)	
humidity	Non-operating	5% to 95% RH (non-condensing)		
	Max wet bulb	29°C (Op.) / 4	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/s² (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.)		

- * 1.5Gb/sec. Serial ATA (SATA) also available upon request



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.

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

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