

Quiet and rugged for 24/7 operation

# 2.5-Inch, Extended Duty 7,200 RPM Mobile Hard Disk Drives

MHW2060BK • MHW2080BK • MHW2120BK

First Fujitsu 7,200 RPM Extended Duty hard disk drives with Rotational Vibration (RV) compensation technology.

- ▶ Extended duty hard disk drives feature 24/7 operation and storage capacities up to 120GB<sup>1</sup>
- ▶ Featuring Rotational Vibration (RV) compensation technology for reliable operation in multi-drive systems and servers
- ▶ 7,200 RPM spindle speed and 3.0 Gb/sec SATA interface for outstanding performance
- ▶ Low power consumption and cool operation for data center environments
- ▶ Ideal for server, blade server, nearline storage and industrial PC/robot applications



<sup>1</sup> 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  
Gigabit (Gb) = 1,000 megabits  
RPM = Revolutions Per Minute

**FUJITSU**

THE POSSIBILITIES ARE INFINITE

# 2.5-Inch, Extended Duty

## 7,200 RPM Mobile Hard Disk Drives

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Fujitsu once again delivers the storage products required for today's demanding applications, with reliable and cost-effective hard disk drives.

Fujitsu hard disk drives are known for their outstanding durability, low power consumption, and near-silent operation. The latest Fujitsu line of extended duty HDDs is no exception. Featuring 7,200 RPM spindle speed and capacities of up to 120GB, they provide ample performance for today's demanding data storage requirements. With the ability to function 24 hours a day, 7 days a week, the 2.5-inch hard disk drives are well suited for RAID systems, blade servers, near line storage, industrial PC/robot and POS applications.

Rotational Vibration (RV) compensation technology reduces cumulative vibration effects inherent in multiple HDD systems. Fujitsu extended duty mobile hard disk drives deliver the features and performance that users demand. Leverage more than 40 years of Fujitsu hard disk drive experience to satisfy your customer's mobile storage needs.

2.5-Inch, 7,200 RPM Series Hard Disk Drive Specifications

Model	MHW2060BK	MHW2080BK	MHW2120BK
Storage capacity (formatted) <sup>1</sup>	60 GB	80 GB	120 GB
Bytes/sector	512		
Seek time	Track to Track	1.5 ms typ.	
	Average	10.5 ms typ. (Read), 12.5 ms typ. (Write)	
	Maximum	20.5 ms typ.	
Average latency	4.17 ms		
Rotational speed	7,200 RPM		
Data transfer to/from host	150 MB/sec or 300 MB/sec (3.0 Gb/sec model)		
Interface	SATA 1.5 Gb/sec or SATA 3.0 Gb/sec		
Buffer size	8 MB		
Power requirements	Voltage	5 V ± 5%	
	Spin-up	1.1 A typ.	
	Read/Write	2.1 (1.5 Gb/sec) / 2.3 (3.0 Gb/sec) W typ.	
	Idle <sup>2</sup>	0.80 W typ.	
	Standby <sup>2</sup>	0.13 W typ.	
	Sleep <sup>2</sup>	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	116 g (4.09 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 <sup>2</sup> (1.0 G) (5 to 500 Hz)	
	Non-operating	49 m/s <sup>2</sup> (5.0 G) (5 to 500 Hz)	
Shock	Operating	2,940 m/s <sup>2</sup> (300 G) 2ms	
	Non-operating	8,820 m/s <sup>2</sup> (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	2.5 bels (typ.)	
Limited Warranty	3 years (from date of purchase)		

<sup>2</sup> SATA PHY in slumber mode.



### 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.

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