

Quiet yet powerful with up to 120GB<sup>1</sup> of storage capacity.

# 2.5-Inch, 4,200 RPM Mobile Hard Disk Drives

MHV2040AT • MHV2060AT • MHV2080AT • MHV2100AT • MHV2120AT

Whisper-quiet performance, high capacities and rugged reliability for mobile applications.

- ▶ Offers up to 120GB storage capacity
- ▶ Low power consumption and power-save features help extend battery life
- ▶ RoHS-compliant, eliminating certain hazardous materials in the manufacturing of electronic equipment
- ▶ High shock tolerance for exceptional toughness
- ▶ Fluid Dynamic Bearing (FDB) motors dramatically reduce acoustic noise



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

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With technology rapidly evolving, there is an ever-increasing demand for greater storage capacity for applications ranging from notebooks to consumer electronics. Fujitsu is stepping up to meet these needs with its latest line of mobile hard disk drives.

With more than 35 years of experience in hard disk drive technology, Fujitsu can provide the storage requirements you need. The 2.5-inch, 4,200 RPM hard disk drives provide a number of key features your customers demand. First, consider their storage capacity: the mobile hard disk drives can hold up to an industry-leading 120GB of data. Second, consider their exceptional durability, with their high-shock tolerance of 900G @ 1ms. And third, let us not forget about the hard disk drives' virtually silent operation due to Fujitsu Fluid Dynamic Bearing (FDB) technology.

Together, these features provide what today's mobile users demand — particularly in these days of corporate compliance and information lifecycle management. For all these reasons and more, Fujitsu is a clear choice to OEMs and resellers.

## 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.

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

Model	MHV2040AT	MHV2060AT	MHV2080AT	MHV2100AT	MHV2120AT
Storage capacity (formatted) <sup>1</sup>	40.0 GB	60.0 GB	80.0 GB	100.0 GB	120.0 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	100 MB/s				
Interface	ATA-7				
Buffer size	2 MB	8 MB			
Power requirements	Voltage	5 V± 5%			
	Spin-up	0.9 A max			
	Operating (Read/Write)	1.6 W typ.			
	Idle	0.5 W typ.			
	Standby	0.2 W typ.			
	Sleep	0.1 W typ.			
Dimensions	Height	9.5 mm (0.37 in.)			
	Width	70 mm (2.8 in.)			
	Depth	100 mm (3.9 in.)			
Weight	100 g (3.53 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 <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 Ready	24 dBA at 30 cm (typical), 2.3 bels (typical)			
Component Life	5 years or 20,000 POH				
MTBF	300,000 POH				
Limited Warranty	3 years (from date of purchase)				



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