

Fast enough for desktop applications; rugged, quiet, and compact enough for mobile applications.

2.5-Inch, 5,400 RPM Mobile Hard Disk Drives

MHV2040AH • MHV2060AH • MHV2080AH • MHV2100AH • MHV2120AH

Packing more punch in a small form factor: 2.5-inch hard disk drives pave the way for new possibilities in the mobile market

- ▶ Provides up to 120GB¹ of storage space with 5,400 RPM speed
- ▶ Low power consumption and power-save features help extend battery life
- ▶ RoHS-compliant, eliminating certain hazardous materials in the manufacturing of electronic equipment
- ▶ High speed and storage thresholds can spur a new generation of consumer entertainment applications
- ▶ Covered by a three-year Limited Warranty



¹ 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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Fujitsu is once again proving that less is more. Our latest 2.5-inch mobile hard disk drive offers increased capacity and processing power, yet actually reduces the power needed to do so. Fluid Dynamic Bearing (FDB) motors help limit acoustic noise, resulting in whisper-quiet operation.

What's more, this pocket-sized drive offers 1.5 ms read/write seek times, while at the same time providing high-capacity, space-efficient storage products to OEMs and resellers.

The history of leadership in research and development by Fujitsu continues to bring innovation to you. The hard disk drives offer up to 120GB storage capacity at 5,400 RPM speeds. This combination can dramatically improve the performance of laptop PCs, small form factor PCs and blade applications.

Clearly, Fujitsu 5,400 RPM mobile hard disk drives are breaking new ground. Leverage 35 years of Fujitsu hard disk drive experience to meet your customers' insatiable need for mobile flexibility with increased storage capacity.

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, 5,400 RPM Series Hard Disk Drive Specifications

Model	MHV2040AH	MHV2060AH	MHV2080AH	MHV2100AH	MHV2120AH
Storage capacity (formatted)	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	5.56 ms				
Rotational speed	5,400 RPM				
Data transfer to/from host	100 MB/s				
Interface	ATA-7				
Buffer size	8 MB				
Power requirements	Voltage	5 V± 5%			
	Spin-up	1.0 A max			
	Operating (Read/Write)	1.9 W typ.			
	Idle	0.6 W typ.			
	Standby	0.2 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 (3.56 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	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	28 dBA at 30 cm (typ.), 2.6 bels (typ.)			
Component Life	5 years or 20,000 POH				
MTBF	300,000 POH				
Limited Warranty	3 years (from date of purchase)				



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