

Quiet yet rugged enough for 24/7 operation

2.5-Inch, Extended Duty Mobile Hard Disk Drives

MHV2040AS • MHV2060AS • MHV2080AS • MHV2040BS • MHV2060BS • MHV2080BS

Experience great performance without sacrificing acoustics, durability or power efficiency

- ▶ High performance RoHS-compliant hard disk drives offering both Serial and Parallel ATA technology
- ▶ Extended duty hard disk drives (HDDs) feature 24/7 operation and storage capacity of up to 80GB¹
- ▶ Whisper-quiet performance and rugged reliability for mobile, PC, and near line storage applications
- ▶ Improved power consumption
- ▶ Mean-time-between-failure of 500,000 power on hours



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

FUJITSU

THE POSSIBILITIES ARE INFINITE

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

Fujitsu mobile 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 capacities of up to 80GB, they provide ample data storage for multimedia presentations, digital audio and video, and graphics. And with the ability to function 24 hours a day, 7 days a week, the 2.5-inch hard disk drives are also well-suited for many storage requirements, including blade servers, network routers and POS applications.

The Fujitsu extended duty mobile hard disk drives provide the exceptional performance that users are demanding. High endurance, reduced power consumption, and a small form factor make these Fujitsu hard disk drives ideal for required applications. Leverage 35 years of Fujitsu hard disk drive experience to meet your customer's mobile storage needs.

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.

2.5-Inch, Extended Duty Mobile Hard Disk Drive Specifications

Model		MHV2040AS	MHV2060AS	MHV2080AS	MHV2040BS	MHV2060BS	MHV2080BS
Storage capacity (formatted) ¹		40.0 GB	60.0 GB	80.0 GB	40.0 GB	60.0 GB	80.0 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			150 MB/s		
Interface		ATA-6			SATA		
Buffer size		8MB					
Power requirements	Voltage	5 V ± 5%					
	Spin-up	1.0 A typ.					
	Read/Write	1.9W typ.					
	Idle	0.60W typ. ²					
	Standby	0.20W typ.			0.13W typ. ²		
	Sleep	0.10W typ.			0.13W typ. ²		
Dimensions	Height	9.5 mm (0.37 in.)					
	Width	70 mm (2.8 in.)					
	Depth	100 mm (3.9 in.)					
Weight		≤ 101g (3.57 oz.) or less					
Ambient temperature	Operating	5° C to 40° C (41° F to 116° 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	49m/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; 1,176 m/s ² (120 G) 11ms					
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		2.6 bels typ. ³					
Limited Warranty		1 year (from date of purchase)					

² SATA PHY is slumber mode
³ HDD Ready



Fujitsu Computer Products of America, Inc.

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