

Quiet yet rugged enough for 24/7 operation

# 2.5-Inch, Extended Duty Mobile Hard Disk Drives

MHT2030AR • MHT2040AS • MHT2060AS • MHT2040BS • MHT2060BS

Experience great performance without sacrificing acoustics, durability or power efficiency

- ▶ Extended duty drives feature 24/7 operation
- ▶ Whisper-quiet performance and rugged reliability for mobile, PC, and near line storage applications
- ▶ Storage capacity of up to 60GB
- ▶ High shock tolerance (900G, 1 ms, non-operating; 225G, 2 ms operating) for exceptional toughness
- ▶ Mean-time-between-failure of 500,000 power on hours



**FUJITSU**

THE POSSIBILITIES ARE INFINITE

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With technology rapidly evolving, demand continues to increase for more reliable and cost-effective storage products. Fujitsu is stepping up to meet these needs with its various lines of extended duty mobile hard disk drives.

Fujitsu mobile hard disk drives are known for their outstanding durability, low power consumption, and near-silent operation. The Fujitsu line of extended duty drives is no exception. Featuring capacities of up to 60GB, 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, low heat emission, and a small form factor make these Fujitsu hard disk drives ideal for your required applications. Leverage thirty-five 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.

2.5-Inch, Extended Duty Mobile Hard Disk Drive Specifications

Model	MHT2030AR	MHT2040AS	MHT2060AS	MHT2040BS	MHT2060BS
Storage capacity (formatted)	30.0 GB	40.0 GB	60.0 GB	40.0 GB	60.0 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	5.56 ms			
Rotational speed	4,200 RPM	5,400 RPM			
Data transfer to/from host	100 MB/s			150 MB/s	
Interface	ATA-6			SATA	
Buffer size	2MB		8MB		
Power requirements	Voltage	5 V ± 5%			
	Spin-up	1.0 A typ.			
	Read/Write	2.0W/2.1W typ.	2.3W typ.		
	Idle	0.80W typ.	0.85W typ.	0.80W typ.	
	Standby	0.25W typ.		0.13W typ. <sup>1</sup>	
Dimensions	Sleep	0.10W typ.		0.13W typ. <sup>1</sup>	
	Height	9.5 mm (0.37 in.)			
	Width	70 mm (2.8 in.)			
Weight	Depth	100 mm (3.9 in.)			
	≤ 99g (3.49 oz.) or less				
Ambient temperature	Operating	5° C to 40° C (41° F to 104° 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	49m/s <sup>2</sup> (5.0 G) (5 to 500 Hz)			
Shock	Operating	2,205 m/s <sup>2</sup> (225 G) 2ms			
	Non-operating	8,820 m/s <sup>2</sup> (900 G) 1ms; 1,176 m/s <sup>2</sup> (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	2.0 bels typ. <sup>2</sup>	2.8 bels typ. <sup>2</sup>	2.8 bels typ. <sup>3</sup>		
Limited Warranty	1 year (from date of purchase). Visit online at <a href="http://www.fcpa.fujitsu.com/warranties/">www.fcpa.fujitsu.com/warranties/</a> or call toll free at (800) 626-4686 for full Limited Warranty details and restrictions.				

<sup>1</sup> SATA PHY is slumber mode

<sup>2</sup> Idle mode

<sup>3</sup> HDD Ready

Fujitsu Computer Products of America, Inc.

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