

A single storage solution ideal for both the laptop and the data center.

2.5-Inch, Serial ATA

5,400 RPM Mobile Hard Disk Drives

MHT2040BH • MHT2060BH • MHT2080BH

Put Fujitsu 2.5-inch Serial ATA hard disk drives to work for you

- ▶ Serial ATA (SATA) enables the high-speed transfer of data (1.5Gb/s), outstripping older, 16-bit parallel bus technology. The 2.5-inch SATA disk drives feature Native Command Queuing (NCQ), which simultaneously coordinates up to 32 instructions to be queued and reordered by the hard disk controller
- ▶ The 2.5-inch 9.5mm hard disk drive is quieter, dissipates less heat and uses less power
- ▶ Three to four 2.5-inch SATA drives can fit in the same space as one 3.5-inch drive, allowing it to be used in a RAID array*
- ▶ The small form factor allows for the design of compact, space efficient storage products, including notebooks and storage towers, as well as non-PC devices
- ▶ Fujitsu has nearly 20 generations of 2.5-inch form factor product expertise



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THE POSSIBILITIES ARE INFINITE

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Mobile Hard Disk Drives

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More than 30 years ago Fujitsu was manufacturing 14-inch drives. Now, Fujitsu is the first hard disk drive manufacturer to combine the future of storage into a single 2.5-inch SATA-based drive.

This efficient disk drive gives you the best of *all* worlds. It accomplishes more, yet consumes less power; it takes up less space, but can be used in more solutions. It improves input-output per second (IOPS), increases performance when using multiple drives, provides a lower entry-system cost, and increases reliability. And you can rely on the 2.5-inch SATA drives to meet industry specifications. After all, as an early member of the SATA Working Group, Fujitsu helped define the specifications for SATA.

The new mobile drives' ample storage capacity (40GB, 60GB, and 80GB versions are available), speed (Host Transfer rate of 150 MB/s and Track to Track Seek Time of 1.5ms), and low cost (rivaling parallel ATA) enable innovation and improvements in everything from laptop and notebook computers to compact RAID systems.

For all these reasons, Fujitsu's 2.5-inch SATA drive is clearly the wave of the future. And the technical savvy of Fujitsu, coupled with its strong customer support programs, can help you make the seamless migration to 2.5-inch drives and position your business for the future.

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.

* Note: the drives are not intended for use in 24x7 applications.

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2.5-Inch, Serial ATA Hard Disk Drive Specifications

Model	MHT2040BH	MHT2060BH	MHT2080BH
Storage capacity (formatted) ¹	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.	
	Maximum	22 ms typ.	
Average latency	5.56 ms		
Rotational speed	5,400 RPM		
Transfer rate to/from host	150 MB/s		
Interface	ATA-7, SATA 1.0a, SATAII 1.0		
Buffer size	8 MB		
Power requirements	Voltage	5 V ± 5%	
	Spin-up	1.0 A typ.	
	Read/Write	2.3 W typ.	
	Idle	0.80 W typ.	
	Standby ²	0.13 W typ.	
	Sleep ²	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	≤ 99 g (3.49 oz)		
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	49m/s ² (5.0 G) (5 to 500 Hz)	
Shock	Operating	2,205 m/s ² (225 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 ³	34 dBA at 30 cm (typ.), 2.8 bels (typ.)		
Limited Warranty	3 years (from date of purchase). Visit online at www.fcpa.fujitsu.com/warranties/ or call toll free at (800) 626-4686 for full Limited Warranty details and restrictions.		

¹ Not including alternates, and typical sparing

² SATA PHY is Slumber mode.

³ HDD Ready



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