

2.5-inch Serial ATA hard disk drives feature up to 250GB¹ capacity

2.5-Inch, 5,400 RPM

Mobile Hard Disk Drives

MHY2040BH • MHY2060BH • MHY2080BH • MHY2100BH
MHY2120BH • MHY2160BH • MHY2200BH • MHY2250BH

Fujitsu introduces its next generation Serial ATA hard disk drives developed using perpendicular recording.

- ▶ Ultra-high capacity mobile hard disk drives (HDDs) feature perpendicular magnetic recording (PMR) technology
- ▶ 2.5-inch Serial ATA (SATA) hard disk drives feature up to 250GB of storage in a slim 9.5mm package
- ▶ Industry leading power consumption
- ▶ Exceptionally high quality, reliability and performance
- ▶ Ideal for notebooks and consumer electronics applications requiring high speed and high capacity



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

One megabyte (MB) = 1,000 bytes
One gigabyte (GB) = 1,000 megabytes
Gigabit (Gb) = 1,000 megabits
RPM = Revolutions Per Minute

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Fujitsu raises the bar with the introduction of its next generation 2.5-inch SATA hard disk drives with up to 125GB per platter using PMR technology. Since notebook and consumer electronics manufacturers are requiring increasingly higher capacity SATA hard disk drives in a slim package for their products, the new Fujitsu PMR models are entering the market at an optimal time to take advantage of this demand.

Engineered to deliver high capacity in a small form factor, the mobile series retains the outstanding level of quality and reliability for which Fujitsu is renowned. The 5,400 RPM mobile HDDs achieve up to 250GB capacity, among the highest in the industry with this spindle speed. Featuring up to 250GB of storage space in a 9.5mm package, low power consumption and low acoustic noise, these 2.5-inch SATA hard disk drives are an excellent choice for today's ultra-fast, high-capacity notebook computers and consumer electronics applications.

With the delivery of its next generation, perpendicular recording SATA hard disk drives, Fujitsu continues to demonstrate its strong commitment to technology leadership.

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, 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	MHY2040BH	MHY2060BH	MHY2080BH	MHY2100BH	MHY2120BH	MHY2160BH	MHY2200BH	MHY2250BH
Storage capacity (formatted) ¹	40 GB	60 GB	80 GB	100 GB	120 GB	160 GB	200 GB	250 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	1.5Gb/sec							
Interface	SATA rev 2.5							
Buffer size	8 MB							
Power requirements	Voltage		5 V ± 5%					
	Spin-up		1.0 A max					
	Read/Write		1.9 W typ.					
	Idle ²		0.6 W typ. (with slumber mode)					
	Standby ²		0.13 W typ. (with slumber mode)					
Dimensions	Height		9.5 mm (0.37 in.)					
	Width		70 mm (2.8 in.)					
	Depth		100 mm (3.9 in.)					
Weight	101 g (3.57 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		3,185 m/s ² (325 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 Idle		2.4 bels (typ.)					
Limited Warranty	3 years (from date of purchase)							

² SATA PHY in slumber mode.



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