

Serial ATA hard disk drive features 160GB¹ storage capacity.

2.5-Inch, 4,200 RPM

Mobile Hard Disk Drives

MHV2160BT

High capacity mobile hard disk drives are ideal for high-end audio/video computing.

- ▶ 2.5-inch Serial ATA (SATA) hard disk drive features storage capacity of 160GB
- ▶ Includes Native Command Queuing (NCQ), which simultaneously coordinates up to 32 instructions to be queued and reordered by the hard disk drive controller
- ▶ Offers low power consumption, thus conserving battery life
- ▶ RoHS compliant, eliminating certain hazardous materials in the manufacturing of electrical and electronic equipment
- ▶ Small form factor allows for the design of compact, space efficient storage products, including notebooks and storage towers, as well as non-PC devices



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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Mobile Hard Disk Drives

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As the first hard disk drive manufacturer to introduce a 2.5-inch SATA product into the market, Fujitsu is an established leader in the promotion of Serial ATA technology. The newest addition to the Fujitsu SATA family offers all of the key features that customers have come to expect from our products.

With an industry-leading storage capacity of 160GB, the latest Fujitsu 2.5" SATA hard disk drive is a highly desirable commodity for the rapidly expanding audio/video computing market. The hard disk drive maximizes NCQ for performance, has low acoustics, and offers low power consumption, which helps to conserve battery life. They are also hot pluggable, so they can be inserted or removed without harming the data or the system while the entire system is still powered on. And when using multiple hard disk drives, users realize the benefits of improved performance and reliability due to the RAID or JBOD architecture.

The newest Fujitsu SATA hard disk drive is ideal for applications such as gaming, video editing and recording, DVR and storage. Trust Fujitsu, a leader in SATA technology, for your mobile hard disk drive 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.

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2.5-Inch, 4,200 RPM Series Hard Disk Drive Specifications

Model		MHV2160BT
Storage capacity (formatted) ¹		160.0 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
Rotational speed		4,200 RPM
Data transfer to/from host		150 MB/s
Interface		SATA
Buffer size		8 MB
Power requirements	Voltage	5 V ± 5%
	Spin-up	0.9 A max
	Read/Write	1.6 W typ.
	Idle	0.5 W typ. with Slumber mode
	Standby	0.13 W typ. with Slumber mode
	Sleep	0.13 W typ. with Slumber mode
Dimensions	Height	12.5 mm (.49 in.)
	Width	70 mm (2.8 in.)
	Depth	100 mm (3.9 in.)
Weight		135 g (4.76 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
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	2.3 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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