Space-saving storage solution featuring Serial ATA technology.

2.5-Inch, Serial ATA 5,400 RPM Mobile Hard Disk Drives

MHV2040BH • MHV2060BH • MHV2080BH • MHV2100BH • MHV2120BH

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
- Features Native Command Queuing (NCQ), which simultaneously coordinates up to 32 instructions to be queued and reordered by the hard-disk controller
- RoHS-compliant, eliminating certain hazardous materials in the manufacturing of electronic equipment
- 2.5-inch 9.5mm hard disk drive is quieter, dissipates less heat and uses less power
- 2.5-inch form factor allows for the design of compact, space efficient storage products, including notebooks and storage towers, as well as non-PC devices







A leading player in the promotion of SATA technology, Fujitsu was the first hard disk drive manufacturer to introduce a 2.5-inch SATA-based drive. Now Fujitsu is releasing its latest generation of SATA hard disk drives, featuring storage capacities of up to 120GB.

This efficient hard disk drive provides the best of all worlds. With higher shock tolerance and improved input-output per second (IOPS) rates, both performance and reliability are increased when using multiple hard disk drives. Fluid Dynamic Bearing (FDB) motors help limit acoustic noise, ensuring whisper-quiet operation. And you can rely on the 2.5-inch SATA hard disk drives to meet industry specifications. After all, as an early member of the SATA Working Group, Fujitsu helped define the specifications for SATA.

The 2.5-inch hard disk drives' reduced power consumption and low cost make it equivalent to traditional Parallel ATA hard disk drives, and enable innovation and improvements in everything from laptop and notebook computers to compact RAID systems.

The Fujitsu 2.5-inch SATA hard disk 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 2.5-Inch, Serial ATA

5,400 RPM Mobile Hard Disk Drives MHV2040BH • MHV2060BH • MHV2080BH • MHV2100BH • MHV2120BH

Model MHV2040BH MHV2060BH MHV2100BH MU10100 GB 120.0 GB 120	2.5-Inch, Serial ATA Hard Disk Drive Specifications							
Bytes/sector 512 Seek time Track to Track 1.5 ms typ. Average 12 ms typ. Average latency 5.56 ms Rotational speed 5.400 RPM Data transfer to/from host 150 MB/s Interface SATA Buffer size 8 MB Power Voltage 5 V± 5% requirements Spin-up 1.0 A typ. Operating 1.9 W typ. (Read/Write) Idle' 0.60 W typ. Standby' Standby' 0.13 W typ. Sleep' Dimensions Height 9.5 mm (0.37 in.) Width 70 mm (2.8 in.) Depth Uon mm (3.9 in.) Depth 100 mm (3.9 in.) Weight Non-operating 5% to 55° C (41° F to 131° F) Kambient Operating 5% to 55° C (41° F to 149° F) Gradient 20° C (68° F) / H 100 mm c.0.8 in.) Weight Non-operating 40° C to 65° C (40° F to 149° F) Marbient Operating 5% to 95% RH (non-condensing) <t< th=""><th colspan="2">Model</th><th>MHV2040BH</th><th>MHV2060BH</th><th>MHV2080BH</th><th>MHV2100BH</th><th>MHV2120BH</th></t<>	Model		MHV2040BH	MHV2060BH	MHV2080BH	MHV2100BH	MHV2120BH	
Spek time Track to Track 1.5 ms typ. Average 12 ms typ. Average 12 ms typ. Average 12 ms typ. Average 12 ms typ. Average latency 5.56 ms Rotational speed 5,400 RPM Data transfer to/from host 150 MB/s Interface SATA Buffer size 8 MB Power Voltage 5 V± 5% requirements Spin-up 1.0 A typ. Operating 1.9 W typ. (Read/Write) Idle' 0.60 W typ. Standby' Standby' 0.13 W typ. Sleep' Dimensions Height 9.5 rm (0.37 in.) Width 70 mm (3.9 in.) Width Depth 100 g (3.57 oz.) or less Ambient Operating -40° C to 55° C (41° F to 131° F) temperature Non-operating 5% to 95% RH (non-condensing) humidity Non-operating 5% to 95% RH (non-condensing) Non-operating 9.9 for 95% to 95% RH (non-condensing) <tr< td=""><td colspan="2">Storage capacity (formatted)</td><td>40.0 GB</td><td>60.0 GB</td><td>80.0 GB</td><td>100.0 GB</td><td>120.0 GB</td></tr<>	Storage capacity (formatted)		40.0 GB	60.0 GB	80.0 GB	100.0 GB	120.0 GB	
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Maximum 22 ms typ. Average latency 5.56 ms Rotational speed 5,400 RPM Data transfer to/from host 150 MB/s Interface SATA Buffer size 8 MB Power Voltage 5 V± 5% requirements Spin-up 1.0 A typ. Operating 1.9 W typ. (Read/Write) Idle' 0.660 W typ. Standby' Standby' 0.13 W typ. Step' Dimensions Height 9.5 mm (0.37 in.) Width 70 mm (2.8 in.) Depth Doperating 5° C to 55° C (41° F to 131° F) Non-operating Ambient Operating 5° C to 55° C (41° F to 131° F) Kon-operating -40° C to 65° C (40° F to 149° F) Gradient Gradient 20° C (68° F) / H P Relative Operating 5% to 95% RH (non-condensing) humidity Non-operating 5% to 95% RH (non-condensing) Non-operating 9.8 m/s² (5.0 G) (5 to 500 Hz) Shock Operating 9.8 m/s	Seek time	Track to Track	1.5 ms typ.					
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Gradient 20° C (68° F) / H Relative Operating 8% to 90% RH (non-condensing) humidity Non-operating 5% to 95% RH (non-condensing) Max wet bulb 29°C (Op.) / 40°C (Non Op.) Vibration Operating 9.8 m/s² (1.0 G) (5 to 500 Hz) Non-operating 49 m/s² (5.0 G) (5 to 500 Hz) Shock Operating 2,940 m/s² (300 G) 2ms Non-operating 8,820 m/s² (900 G) 1ms Altitude Operating -300 to 3,000 m (-1,000 to 10,000 ft.) Acoustic noise² 28 dBA at 30 cm (typ.), 2.6 bels (typ.) Component Life 5 years or 20,000 POH Limited Warranty 3 years (from date of purchase). Visit online at www.fopa.fujitsu.com/warantis/waranty-information/waranty-service-guides-storage.html or call toll free at (800) 626-4686 for full Limited Warranty	Ambient	Operating						
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www.fcpa.fujitsu.com/warranties/warranty-information/warranty-service-guides-storage.html or call toll free at (800) 626-4686 for full Limited Warranty			5 years or 20,000 POH					
or call toll free at (800) 626-4686 for full Limited Warranty	Limited Warra	Limited Warranty		years (from da	ate of purchase	e). Visit online	at	
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				details and restrictions.				

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