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Find the *Fujitsu MHW2040AT* at our website: ***Click HERE***

Storage

High quality, entry-level 2.5-inch Parallel ATA hard disk drives.

# 2.5-Inch, 4,200 RPM

## Mobile Hard Disk Drives

MHW2040AT • MHW2060AT • MHW2080AT

## Fujitsu 2.5-inch mobile hard disk drives are ideal for non-IT applications.

- Featuring up to 80GB[1] within a single platter
- Low acoustic noise level is best-in-class
- High quality hard disk drives (HDDs) feature low power consumption
- Engineered to be robust and highly reliable
- Ideal for consumer electronics (CE) applications



[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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THE POSSIBILITIES ARE INFINITE

# 2.5-Inch, 4,200 RPM

## Mobile Hard Disk Drives

MHW2040AT • MHW2060AT • MHW2080AT

The latest addition to the Fujitsu mobile family of products features a series of durable and reliable hard disk drives that include the key attributes that have made earlier generation products a favorite among customers. With a continued focus on quality, Fujitsu has produced another high-performance, Parallel ATA (PATA) series that also manages to be cost-efficient. Boasting a best-in-class low acoustic noise level of 1.5 bels, the PATA HDDs provide exceptionally quiet performance, an extremely desirable feature for mobile solutions. And as with the existing line of Fujitsu products, the 2.5-inch 4,200RPM models also generate less heat and consume less power, ensuring longer battery life.

The Fujitsu 2.5-inch PATA hard disk drives are ideal for the CE market, especially since manufacturers are transitioning from 3.5-inch units in order to design more compact, power efficient and lightweight products. The qualities of the Fujitsu series are also appealing for other industrial applications.

With the delivery of the redesigned 80GB capacity, 2.5-inch PATA hard disk drives, Fujitsu is again showing the depth of its product line while addressing the demands of the marketplace.

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

| Model | | MHW2040AT | MHW2060AT | MHW2080AT |
|---|---|---|---|---|
| Storage capacity (formatted)[1] | | 40.0 GB | 60.0GB | 80.0GB |
| 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 | | 100 MB/s (Ultra DMA mode-5) | | |
| Interface | | ATA-7 | | |
| Buffer size | | 2 MB | | 8MB |
| Power requirements | Voltage | 5 V ± 5% | | |
| | Spin-up | 0.9 A max | | |
| | Read/Write | 1.6 W typ. | | |
| | Idle | 0.5 W typ. | | |
| | Standby | 0.2 W typ. | | |
| | Sleep | 0.1 W typ. | | |
| Dimensions | Height | 9.5 mm (.37 in.) | | |
| | Width | 70 mm (2.8 in.) | | |
| | Depth | 100 mm (3.9 in.) | | |
| Weight | | 96 g (3.39 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 | 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 Idle | 1.5 bels (typ.) | | |
| Component Life | | 5 years or 20,000 POH | | |
| MTBF | | 300,000 POH | | |
| Limited Warranty | | 3 years (from date of purchase) | | |

### 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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Printed in the U.S.A. Qty. 1M DS34200207

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