

Toshiba 160 GB 2.5 inch Mobile Hard Disk Drive 2.5" Serial ATA

Brand : Toshiba

Product code: MK1649GSY

Product name : 160 GB 2.5 inch Mobile Hard Disk Drive

160 GB 2.5 inch Mobile Hard Disk Drive

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Toshiba's new family of high performance drives delivers speeds of 7200rpm - the company's fastest HDD to date. The MK1649GSY has a much higher capacity combined with 33% performance improvement over its predecessor. The MK1649GSY also has the advantages of 300G of operating shock and 900G of non-operating shock.

The 160GB drive has been developed for high performance notebooks and desktop PCs but is also ideally suited for the burgeoning video-based consumer electronic applications such as Personal Video Recorders, IPTV set-top boxes and other recording systems. In these applications, MK1649GSY's 16MB buffer memory and high speed spindle will ensure optimum performance during data intensive workloads such as video dropping.

Toshiba 160 GB 2.5 inch Mobile Hard Disk Drive. HDD size: 2.5", HDD capacity: 160 GB, HDD speed: 7200 RPM



| Features | | Operational conditions | |
|-----------------------------------|------------|-----------------------------------|----------------|
| HDD size * | 2.5" | Storage temperature (T-T) | -40 - 60 °C |
| HDD capacity * | 160 GB | Operating relative humidity (H-H) | 8 - 90% |
| HDD speed * | 7200 RPM | Operating vibration | 1 G |
| Interface * | Serial ATA | Non-operating vibration | 5 G |
| Storage drive buffer size | 16 MB | Operating altitude | -300 - 3000 m |
| HDD number of heads | 4 | Non-operating altitude | -300 - 12000 m |
| HDD number of cylinders | 85464 | Operating shock | 300 G |
| Read seek time | 10.5 ms | Non-operating shock | 900 G |
| Write seek time | 12 ms | Weight & dimensions | |
| Track to track seek time | 1 ms | Width | 69.8 mm |
| Bytes per sector | 512 | Height | 9.5 mm |
| Mean time between failures (MTBF) | 600000 h | Depth | 100 mm |
| Power | | Weight | 114 g |
| Power consumption (typical) | 5.5 W | Other features | |
| Power consumption (standby) | 0.16 W | Power requirements | +5 V (+/- 5 %) |
| Operating voltage | 5 V | Acoustic pressure emissions | 25 dB |
| Operational conditions | | Internal | ✓ |
| Operating temperature (T-T) | 5 - 55 °C | Maximum data transfer rate | 300 Mbit/s |

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