

# Laptop HDD 4TB

Data Sheet

## Big Storage in a Small Package!

- Highest-capacity mobile hard drive for DIY external box setup for upgraders
- Each drive can store more than 1 million songs or 480 hours of HD video
- Consumes less power than Seagate and competitive 3.5-inch desktop HDDs
- Size matters. At 2.5 inches, it's smaller than your regular 3.5-inch desktop HDD, yet delivers a whopping 4TB of capacity to satisfy your need for storage
- Perfect size for external box setup for upgraders and ultra-slim desktop HDD setup or replacements



## Best-Fit Applications

- External storage
- All-in-one PC storage
- Ultra-slim desktop storage



# Laptop HDD 4TB

| Specifications                                | 4TB                  | 3TB                  |
|---|----------------------|----------------------|
| Model Number                                  | ST4000LM016          | ST3000LM016          |
| Bytes per Sector (logical/physical)           | 512/4096             | 512/4096             |
| Performance                                   |                      |                      |
| Interface                                     | SATA 6Gb/s           | SATA 6Gb/s           |
| Data Transfer Rate (up to)                    | 130MB/s              | 130MB/s              |
| Cache   | 128 MB               | 128 MB               |
| Spin Speed                                    | 5400 RPM             | 5400 RPM             |
| Reliability/Data Integrity                    |                      |                      |
| Load/Unload Cycles                            | 600,000              | 600,000              |
| Head-Rest Method                              | QuietStep™ Ramp Load | QuietStep™ Ramp Load |
| Nonrecoverable Read Errors per Bits Read, Max | 1 per 10E14          | 1 per 10E14          |
| Warranty, Limited (years)                     | 2                    | 2                    |
| Power Management                              |                      |                      |
| Startup Current, Max (+5V, A)                 | 1.2                  | 1.2                  |
| Read Power, Typical (W)                       | 1.9                  | 1.9                  |
| Write, Typical (W)                            | 2.1                  | 2.1                  |
| Idle Power, Typical (W)                       | 1.1                  | 1.1                  |
| Environmental                                 |                      |                      |
| Operating Temperature (°C)                    | 0°C – 60°C           | 0°C – 60°C           |
| Nonoperating Temperature (°C)                 | -40°C – 70°C         | -40°C – 70°C         |
| 2ms Operating Shock (Gs)                      | 300 Gs               | 300 Gs               |
| 1ms Nonoperating Shock (Gs)                   | 650 Gs               | 650 Gs               |
| Acoustics, Idle, Typical (bels)               | 2.4 bels             | 2.4 bels             |
| Acoustics, Seek, Typical (bels)               | 2.6 bels             | 2.6 bels             |
| Physical                                      |                      |                      |
| Height (mm/in)                                | 15 mm/0.59 in        | 15 mm/0.59 in        |
| Width (mm/in, max)                            | 69.85 mm/2.75 in     | 69.85 mm/2.75 in     |
| Depth (mm/in, max)                            | 100.35 mm/3.951 in   | 100.35 mm/3.951 in   |
| Weight (g/lb)                                 | 200 g/0.44 lb        | 200 g/0.44 lb        |
| Carton Unit Quantity                          | 40                   | 40                   |
| Cartons per Pallet / Cartons per Layer        | 60/10                | 60/10                |

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