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 4 TB 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)	512/4,096	512/4,096
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
Non-recoverable 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
Non-operating Temperature (°C)	-40°C – 70°C	-40°C – 70°C
2ms Operating Shock (Gs)	300 Gs	300 Gs
1ms Non-operating 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 (lb/g)	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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