

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





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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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