

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
Interface	SATA 6Gb/s	SATA 6Gb/s
Cache	128MB	128MB
Spin Speed	5400RPM	5400RPM
Configuration/Organization		
Bytes per Sector (logical/physical)	512/4096	512/4096
Load/Unload Cycles ¹	>600,000	>600,000
Performance		
Seek Average (ms)	12	12
I/O Data Transfer Rate, Max (MB/s)	600	600
Max Sustainable Transfer Rate	130MB/s	130MB/s
Reliability/Data Integrity		
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)	3	3
Power Management		
Startup Power, Max (A)	1.2	1.2
Read, Typical (W)	1.9	1.9
Write, Typical (W)	2.1	2.1
Idle Average (W)	0.85W	0.85W
Environmental/Temperature		
Temperature, Operating (°C)	0°C ~ 60°C	0°C ~ 60°C
Temperature, Nonoperating (°C)	-40°C ~ 70°C	-40°C ~ 70°C
Environmental/Shock		
Shock, Operating: 2ms (Gs)	300Gs	300Gs
Shock, Nonoperating: 1ms (Gs)	650Gs	650Gs
Environmental/Acoustics		
Acoustic, Seek/Idle, Typical (bels)	2.6bels/2.4bels	2.6bels/2.4bels
Physical		
Height (mm/in)	15.00mm/0.59in	15.00mm/0.59in
Width (mm/in, max)	69.85mm/2.75in	69.85mm/2.75in
Depth (mm/in, max)	100.35mm/3.951in	100.35mm/3.951in
Weight (g/lb)	200g/0.44lb	200g/0.44lb
Carton Unit Quantity	40	40
Cartons per Pallet / Cartons per Layer	60/10	60/10

¹ Load/Unload tested to 600,000 cycles

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