

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	128MB	128MB
Spin Speed	5400RPM	5400RPM
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 Power, Typical (W)	2.1	2.1
Idle Power, Typical (W)	1.10	1.10
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)	300Gs	300Gs
1ms Nonoperating Shock (Gs)	650Gs	650Gs
Acoustics, Idle, Typical (bels)	2.4bels	2.4bels
Acoustics, Seek, Typical (bels)	2.6bels	2.6bels
Physical		
Height (mm/in)	15.0mm/0.59in	15.0mm/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

SEAGATE.COM

AMERICAS Seagate Technology LLC 10200 South De Anza Boulevard, Cupertino, California 95014, United States, 408-658-1000

ASIA/PACIFIC Seagate Singapore International Headquarters Pte. Ltd. 7000 Ang Mo Kio Avenue 5, Singapore 569877, 65-6485-3888

EUROPE, MIDDLE EAST AND AFRICA Seagate Technology SAS 16-18, rue du Dôme, 92100 Boulogne-Billancourt, France, 33 1-4186 10 00

© 2016 Seagate Technology LLC. All rights reserved. Seagate, Seagate Technology and the Spiral logo are registered trademarks of Seagate Technology LLC in the United States and/or other countries. QuietStep is either a trademark or registered trademark of Seagate Technology LLC or one of its affiliated companies in the United States and/or other countries. All other trademarks or registered trademarks are the property of their respective owners. When referring to drive capacity, one gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes. Your computer's operating system may use a different standard of measurement and report a lower capacity. In addition, some of the listed capacity is used for formatting and other functions, and thus will not be available for data storage. Quantitative usage examples for various applications are for illustrative purposes. Actual quantities will vary based on various factors, including file size, file format, features and application software. Actual data rates may vary depending on operating environment and other factors. Seagate reserves the right to change, without notice, product offerings or specifications. DS1887.4-1603US March 2016