

2.5 HDD DATA SHEET

Amazing Versatility and Trusted Dependability Meet Incredible Speed



Seagate brings over 20 years of trusted performance and reliability to the Seagate® BarraCuda® family. BarraCuda Pro 2.5-inch drives, available at 7200 RPM with up to 1TB of storage, offer the highest sustained throughput and are backed by a 5-year limited warranty.



Best-Fit Applications

- Laptops
- Mobile storage
- All-in-one PCs
- Ultra-slim desktop PCs

Key Advantages

Thinnest and lightest 2.5-inch, 1TB hard drive

At **7mm z-height**, it is a perfect fit for a seamless upgrade to thin and light laptops and similar small form-factor systems.

These **7200-RPM** hard drives are available in capacities up to 1TB and offer faster **data rates up to 160MB/s**, enabling a superior end-user experience and snappier file transfers.

Backed by an industry-leading **5-year limited warranty**, BarraCuda Pro 2.5-inch drives bring the performance and reliability you can depend on.



Specifications	1TB	500GB
Standard Model Numbers	ST1000LM049	ST500LM034
Bytes per Sector (logical/physical)	512/4096	512/4096
Performance		
Interface	SATA 6Gb/s	SATA 6Gb/s
Data Transfer Rate (MB/s)	Up to 160	Up to 160
Cache (MB)	128	128
Spindle Speed (RPM)	7200	7200
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
Limited Warranty (years) ¹	5	5
Power Management		
Startup Current (+5V, A)	1.0	1.0
Read/Write Power, Average (W)	1.9/1.7	1.9/1.7
Idle Power, Average (W)	0.7	0.7
Environmental		
Temperature, Operating (°C)	0°C – 60°C	0°C – 60°C
Temperature, Nonoperating (°C)	-40°C – 70°C	-40°C – 70°C
Shock, Operating: 2ms (Gs)	400	400
Shock, Nonoperating: 1ms (Gs)	1000	1000
Acoustics, Typical Idle (bels)	2.2	2.2
Acoustics, Typical Seek (bels)	2.4	2.4
Physical		
Height (mm/in)	7.0mm/0.276in	7.0mm/0.276in
Width (mm/in)	69.85mm/2.750in	69.85mm/2.750in
Depth (mm/in)	100.35mm/3.951in	100.35mm/3.951in
Weight (g/lb)	85g/0.187lb	85g/0.187lb
Carton Unit Quantity	50	50
Cartons per Pallet/Cartons per Layer	60/10	60/10
Special Features		
Multi-Tier Caching Technology™	Yes	Yes
Halogen Free	Yes	Yes
RoHS Compliance	Yes	Yes

¹ Extended warranty products available. Consult your distributor for details.

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