Mobile/Laptop Products

Laptop SSHDs
Delivering maximum performance, capacity and security for 9.5mm, 7mm and 5mm laptop storage

- Ideal for performance laptop systems
- Up to 5x faster than a traditional 5400-RPM HDD
- 3-yr limited warranty

Product	Capacity[1]	Model Number	Z-Height	Interface	Flash Type	Annualized Failure Rate	Power (Idle)	SED	FIPS
Laptop SSHD	1TB	ST1000LM014	9.5mm	SATA 6GB/s	8GB MLC	0.48%	0.9W		
Laptop SSHD	1TB	ST1000LM015	9.5mm	SATA 6GB/s	8GB MLC	0.48%	0.9W	✓	
Laptop SSHD	1TB	ST1000LM028	9.5mm	SATA 6GB/s	8GB MLC	0.48%	0.9W	✓	✓
Laptop SSHD Kit	1TB	STB1000400	9.5mm	SATA 6GB/s	8GB MLC	0.48%	0.9W		
Laptop Thin SSHD	500GB	ST500LM000	7mm	SATA 6GB/s	8GB MLC	0.48%	0.9W		
Laptop Thin SSHD	500GB	ST500LM001	7mm	SATA 6GB/s	8GB MLC	0.48%	0.9W	✓	
Laptop Thin SSHD	500GB	ST500LM020	7mm	SATA 6GB/s	8GB MLC	0.48%	0.9W	✓	✓
Ultra Mobile SSHD	500GB	ST500LX012	5mm	SATA 6GB/s	8GB MLC	0.48%	0.6W		
Ultra Mobile SSHD	500GB	ST500LX014	5mm	SATA 6GB/s	8GB MLC	0.48%	0.6W		
Ultra Mobile SSHD	500GB	ST500LX016	5mm	SATA 6GB/s	8GB MLC	0.48%	0.6W	✓	
Ultra Mobile SSHD	500GB	ST500LX013	5mm	SATA 6GB/s	8GB MLC	0.48%	0.6W	✓	✓

Laptop HDDs
Features, price and capacity points that enable no-compromise, lightweight designs for laptop computing

- Ideal for thin and standard laptop designs
- 2-yr limited warranty

Product	Capacity[1]	Model Number	Z-Height	Interface	Spin Speed	Annualized Failure Rate	Power (Idle)	Legacy Name	SED	FIPS
Laptop HDD Kit	2TB	STBD2000102	9.5mm	SATA 6GB/s	5400-RPM	0.48%				
Laptop HDD Kit	1TB	STBD1000100	9.5mm	SATA 6GB/s	5400-RPM	0.48%				
Laptop Thin HDD	500GB	ST500LM021	7mm	SATA 6Gb/s	7200-RPM	0.48%	0.65W			
Laptop Thin HDD	500GB	ST500LT012	7mm	SATA 3GB/s	5400-RPM	0.48%	0.45W	Momentus Thin		
Laptop Thin HDD	500GB	ST500LT025	7mm	SATA 3GB/s	5400-RPM	0.48%	0.45W	Momentus Thin	✓	
Laptop Thin HDD	500GB	ST500LT015	7mm	SATA 3GB/s	5400-RPM	0.48%	0.45W	Momentus Thin	✓	✓
Laptop Thin HDD	320GB	ST320LM010	7mm	SATA 6Gb/s	7200-RPM	0.48%	0.65W			
Laptop Thin HDD	320GB	ST320LT012	7mm	SATA 3Gb/s	5400-RPM	0.48%	0.45W	Momentus Thin		
Laptop Thin HDD	250GB	ST250LT012	7mm	SATA 3Gb/s	5400-RPM	0.48%	0.45W	Momentus Thin		

Mobile HDDs
Rugged and responsive 5mm storage options for design flexibility

- Ideal for tablets, slim notebooks, ultrabooks, convertibles and detachable devices
- 2-yr limited warranty

Product	Capacity[1]	Model Number	Z-Height	Interface	Power (Idle)	Maximum Sustained Data Rate	Zero Gravity Sensor	SED
Ultra Mobile HDD	500GB	ST500LT035	5mm	SATA 6GB/s	0.48W	100MB/s	✓	
Laptop Ultrathin HDD	500GB	ST500LT032	5mm	SATA 6GB/s	0.48W	100MB/s		
Laptop Ultrathin HDD	500GB	ST500LT033	5mm	SATA 6GB/s	0.48W	100MB/s		✓
Laptop Ultrathin HDD	320GB	ST500LT030	5mm	SATA 6GB/s	0.48W	100MB/s		

Desktop Products

Desktop SSHDs
Hybrid drive delivering speed and capacity for gaming and high-performance desktop applications

- Ideal for performance desktop designs
- Performs 4× faster than 7200-RPM desktop HDDs
- 3-yr limited warranty

Product	Capacity[1]	Model Number	Interface	Flash Type	Power (Operating)	Format	Max Sustained Data Rate	Annualized Failure Rate
Desktop SSHD	4TB	ST4000DX001	SATA 6Gb/s	8GB MLC	7.5W	4K	180MB/s	<1%
Desktop SSHD Kit	4TB	STCL4000400	SATA 6Gb/s	8GB MLC	7.5W	4K	180MB/s	<1%
Desktop SSHD	2TB	ST2000DX001	SATA 6Gb/s	8GB MLC	6.7 W	4K	210MB/s	<1%
Desktop SSHD Kit	2TB	STCL2000400	SATA 6Gb/s	8GB MLC	6.7 W	4K	210MB/s	<1%
Desktop SSHD	1TB	ST1000DX001	SATA 6Gb/s	8GB MLC	5.9W	4K	210MB/s	<1%

Desktop HDDs
High-capacity hard disk drive for desktop applications at an affordable price

- Ideal for desktop designs
- 2-yr limited warranty

Product	Capacity[1]	Model Number	Cache	Interface	Format	Max Sustained Data Rate	Legacy Name
Desktop HDD	4TB	ST4000DM000	64MB	SATA 6Gb/s	4K	180MB/s	
Desktop HDD Kit	4TB	STBD4000400	64MB	SATA 6Gb/s	4K	180MB/s	
Desktop HDD	3TB	ST3000DM001	64MB	SATA 6Gb/s	4K	210MB/s	Barracuda®
Desktop HDD Kit	3TB	STBD3000100	64MB	SATA 6Gb/s	4K	210MB/s	Barracuda
Desktop HDD	2TB	ST2000DM001	64MB	SATA 6Gb/s	4K	210MB/s	Barracuda
Desktop HDD Kit	2TB	STBD2000101	64MB	SATA 6Gb/s	4K	210MB/s	Barracuda
Desktop HDD	1TB	ST1000DM003	64MB	SATA 6Gb/s	4K	210MB/s	Barracuda
Desktop HDD Kit	1TB	ST310005N1A1AS-RK	64MB	SATA 6Gb/s	4K	210MB/s	Barracuda
Desktop HDD	500GB	ST500DM002	16MB	SATA 6Gb/s	4K	144MB/s	Barracuda
Desktop HDD	320GB	ST320DM000	16MB	SATA 6Gb/s	4K	144MB/s	Barracuda
Desktop HDD	250GB	ST250DM000	16MB	SATA 6Gb/s	4K	144MB/s	Barracuda

1 One gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes when referring to drive capacity.

Seagate Desktop, Mobile and Specialty Model Number Key

ST 500 DX 001

BRAND
2 letters

ST= Seagate

CAPACITY
2 to 4 digits

80 = 80GB
500 = 500GB
1500 = 1500GB

Capacities >9999GB:
10 = 10TB
15 = 15TB

SEGMENT
2 letters

DM = Desktop Mainstream
DX = Desktop Performance
LM = Mobile Performance
LT = Mobile Thin
VM, VT = CE-DVR
VN = NAS, 2.5-Inch
VX = Video Surveillance

ATTRIBUTES
3 digits, non-intelligent

Varies for:
Z-heights
Form Factor
RPM
Cache
Interface
SED, FIPS
Drop Sensor
Interface Speed

www.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