

Laptop Thin HDD

Data Sheet

The World's First 7mm, 2.5-Inch Form Factor Drive

- 7mm z-height form factor enables thin chassis design for all segments of laptop computing.
- Self-Encrypting Drives mitigate data breaches, comply with data protection regulations and preserve brand recognition.¹
- Self-Encrypting Drives with FIPS 140-2 certification are approved for the U.S. and Canadian governments.^{1,2}

Best-Fit Applications

- Entry-level laptops—Enjoy a stylish, thin and lightweight design without exceeding your budget.
- Netbooks—Get a thinner netbook without compromising on storage or affordability.
- Ultraportables—Take advantage of a stylish, thin and lightweight design without compromising on features.

1 Refer to specifications table for further information and feature options.
2 See FIPS 140-2 Level 2 Certificate at http://csrc.nist.gov/groups/STM/cmvp/documents/140-1/1401vend.htm



Laptop Thin HDD



formerly Momentus® Thin ST500LT012 ST500LT025 ST500LT015	320GB¹ formerly Momentus Thin ST320LT012	250GB¹ formerly Momentus Thin	500GB¹ Laptop Thin HDD	320GB ¹
ST500LT012 ST500LT025 ST500LT015		-	Lanton Thin HDD	
ST500LT012 ST500LT025 ST500LT015		-	Lanton Thin HDD	
ST500LT025 ST500LT015	ST320LT012 —	CT0501 T040	Eaptop Hilli Hod	Laptop Thin HDD
ST500LT015	_	ST250LT012	ST500LM021	ST320LM010
		_	_	_
OATA OOL /-	_	_	_	_
SATA 3Gb/s	SATA 3Gb/s	SATA 3Gb/s	SATA 6Gb/s	SATA 6Gb/s
16	16	16	32	32
512/4096	512/4096	512/4096	512/4096	512/4096
>600,000	>600,000	>600,000	>600,000	>600,000
12	12	12	11	11
600	600	600	600	600
118.5	118.5	118.5	135	135
Quiet Step™ Ramp Load	Quiet Step Ramp Load	Quiet Step Ramp Load	Quiet Step Ramp Load	Quiet Step Ramp Load
1 per 10E14	1 per 10E14	1 per 10E14	1 per 10E14	1 per 10E14
0.48%	0.48%	0.48%	0.48%	0.48%
1.0	1.0	1.0	1.0	1.0
1.2	1.2	1.2	1.8	1.8
0.45	0.45	0.45	0.65	0.65
0 to 60	0 to 60	0 to 60	0 to 60	0 to 60
-40 to 70	-40 to 70	-40 to 70	-40 to 70	-40 to 70
				400
1000	1000	1000	1000	1000
2.0	2.0	2.0	0.0	2.3
				2.3
2.2	2.2	2.2	2.1	2.1
7 0/0 276	7 0/0 276	7 0/0 276	7 0/0 276	7.0/0.276
				70.1/2.76
				100.55/3.959
				95.0/0.209
				50
				60
				10
	>600,000 12 600 118.5 Quiet Step™ Ramp Load 1 per 10E14 0.48% 1.0 1.2 0.45	>600,000 >600,000 12 12 12 600 600 118.5 118.5 Quiet Step™ Ramp Load 1 per 10E14 0.48% 1.0 1.0 1.0 1.2 1.2 0.45 0.45 0 to 60 0 to 60 0.45 400 1000 1000 2.0 2.2 2.2 7.0/0.276 70.1/2.76 100.55/3.959 95.0/0.209 50 60 60	Se00,000 Se00,000 Se00,000 12	Se00,000 Se00,000 Se00,000 Se00,000 Se00,000

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







www.seagate.com

AMERICAS ASIA/PACIFIC EUROPE, MIDDLE EAST AND AFRICA Seagate Technology LLC 10200 South De Anza Boulevard, Cupertino, California 95014, United States, 408-658-1000 Seagate Singapore International Headquarters Pte. Ltd. 7000 Ang Mo Kio Avenue 5, Singapore 569877, 65-6485-3888 Seagate Technology SAS 16–18, rue du Dôme, 92100 Boulogne-Billancourt, France, 33 1-4186 10 00

© 2014 Seagate Technology LLC. All rights reserved. Printed in USA. Seagate, Seagate Technology and the Wave logo are registered trademarks of Seagate Technology LLC in the United States and/or other countries. Momentus, QuietStep, Seagate Secure and the Think Green logo are either trademarks or registered trademarks of Seagate Technology LLC or one of its affiliated companies in the United States and/or other countries. The FIPS logo is a certification mark of NIST, which does not imply product endorsement by NIST, the U.S., or Canadian governments. All other trademarks or registered trademarks are the property of their respective owners. When referring to drive capacity, one gigabyte, or GB, equals one brillion 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. The export or re-export of hardware or software containing encryption may be regulated by the U.S. Department of Commerce, Bureau of Industry and Security (for more information, visit www.bis.doc.gov). Seagate reserves the right to change, without notice, product offerings or specifications. DS1702.10.1-1402US, February 2014