

ST250LT012

Seagate Momentus Thin 250GB 2.5" 5400rpm 16MB Cache SATA2 3Gb/s Hard Disk Drive

Product Overview

Seagate Momentus Thin 250GB 2.5" 5400rpm 16MB Cache SATA2 3Gb/s Hard Disk Drive, 5.6 ms average Latency, 7 mm height, ST250LT012



Specifications

Overview:

- Momentus Thin hard drives offer a feature-rich, slim, lightweight style at price and capacity points that enable no-compromise designs for thin computing.
- The world's first 7mm z-height, 2.5 inch form factor drive.
- Seagate SmartAlign technology provides a transition to 4K sectors without the need for software utilities.
- Available as a Self-Encrypting Drive (SED) with TCG Opal protocol, and as a FIPS 140-2 Validated SED for US-government-grade security.
- Compatible with SATA 3Gb/s designs.

Features:

Opens new frontiers for system designers

Seagate has purpose built the Momentus Thin hard drive to meet our customers' demand for affordable, slimmer, fully functional computing solutions. Meet your needs with 500GB, 320GB, 250GB and 160GB capacity options. While traditional laptop hard drives offer a z-height of 9.5mm, Momentus Thin hard drives stand apart with a z-height of just 7mm.

Smooth migration to Advanced Format

Momentus Thin hard drives include Seagate SmartAlign technology. This innovation provides easy access to all the benefits of the new Advanced Format 4K sector standard - no utilities, no extra steps.

Secure Self-Encrypting Drive options

Momentus Thin Self-Encrypting Drives deliver US-government-grade encryption without performance degradation - protecting your data where it lives. You get all the benefits of secure data encryption without the headaches. The first Seagate SED to be shipped with the Trusted Computing Group (TCG) Opal protocol. The world's first 7mm SED to be shipped with FIPS 140-2 validation.

Enter Seagate ingenuity

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Product Specification Sheet

Until recently, system integrators and OEMs had no choice but to limit their thinner, fully functional computing designs to high-end devices. The available hard drive options were either too costly, performed too slowly, or both. Enter Seagate ingenuity Momentus Thin hard drives exploit current laptop drives in both material and product design to provide the world's first 7mm 2.5 inch form factor drive. The result is affordable, thin storage for entry-level to mainstream laptops, high-end netbooks, thin ultraportables and more. Momentus Thin drives open new frontiers in slim-computing design.

Seagate SmartAlign technology for easy 4K migration

A change is coming in the hard drive industry. The smallest sector of organised data on a drive is increasing from 512 to 4,096 bytes. The new format, known as Advanced Format (AF) 4K, offers advantages such as increased efficiency, but migrating your drive can be challenging. Luckily, Seagate is ready to help you make a seamless transition to 4K sectors. Momentus Thin hard drives feature Seagate SmartAlign technology, which automatically does the work of AF migration in the background. The drive's performance is not affected, and there is no need for the time-consuming utilities that are required by other AF-enabled drives. Smart.

Optimal security with Self-Encrypting Drives

Momentus Thin hard drives are available as Self-Encrypting Drives (SEDs) that help secure your data the instant you save it to your drive. For US-government-grade security, the Momentus Thin hard drive can also be purchased as a FIPS 140-2 Validated SED. Have you lost your laptop Rest easy knowing that your data is secure and one hundred per cent encrypted - always. Momentus Thin hard drive features include: Instant on-the-fly encryption without performance degradation; Instant SecureErase technology that can erase the security key data on your hard drive instantly, enabling secure and easy disposal or repurposing of the drive.

Specifications:

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Specifications	
Product Code	ST250LT012
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Product Code	ST250LT012
Brand	Seagate
Series	Momentus Thin
Product Code	ST250LT012
Product Type	Internal Notebook Hard Drive
Form Factor	2.5"
Capacity	250GB
Interface Options	SATA 3Gb/s
Performance	
Spindle Speed (RPM)	5400
Cache (MB)	16
Average Latency (ms)	5.6
Reliability/Data Integrity	
Nonrecoverable Read Errors per Bits Read	1 in 10

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Product Specification Sheet

Annualized Failure Rate (AFR)	0.50%
Seek, Typical Operating (W)	1.60, 1.40
Temperature	
Operating	0degrees to 60degreesC
Non-operating	-40degrees to 70degreesC
Shock	
Operating Gs (ms)	400 (2ms)
Non-operating Gs (ms)	1000 (1ms)
Idle	2.3, 2.0
Operating	2.5, 2.2
Height (mm)	7
Width (mm)	70.1
Length (mm)	100.55
Weight (g)	92

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/ST250LT012-Seagate-Momentus-Thin-250GB-2-5-5400rpm-Buy-p-295930.php>

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