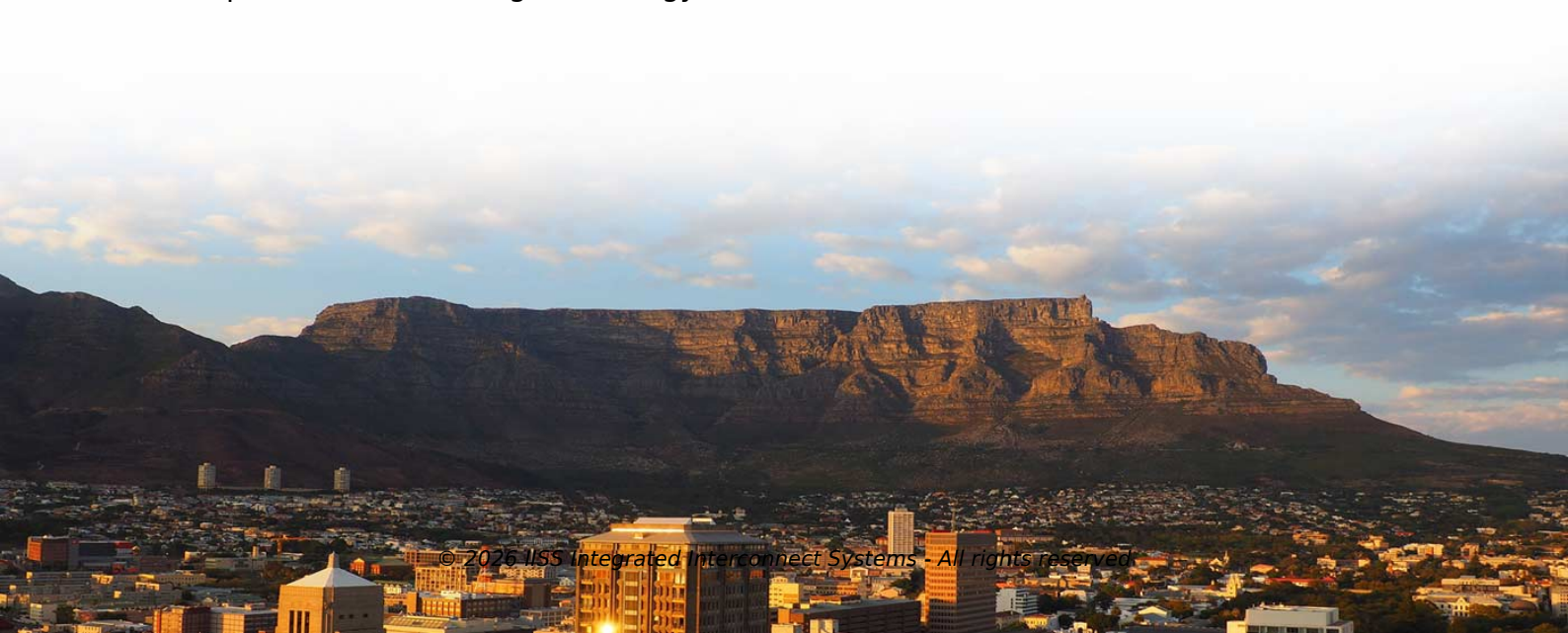


ST500LT012 Interface Type

Overview

5" hard drive with a storage capacity of 500GB and featuring a SATA interface.
ST500LT012 Seagate Momentus Thin 500GB 5400RPM 2.5-inch 7MM 16MB Cache
SATA 3GB/s NCQ Laptop Hard Drive. Typical +5V only startup and operation current
profile 10 Serial ATA connectors 18 Attaching SATA cabling 19 Mounting dimensions
(for standard models) - top, side and end view 20 Momentus Thin Product Manual,
Rev. B iii is not normally necessary to set any jumpers or other configuration options.
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.
Introduction ® This manual describes the functional, mechanical and interface
specifications for the following Seagate Laptop Thin HDD model drives: Standard
models Standard models Standard SED models SED (FIPS 140-2) models with ZGS
ST500LT012 - 1DG142 ST500LT034 - 1DGG42 ST500LT025 - 1DH142. Start New
Search SAMSUNG HS041HA (40 GB IDE) SAMSUNG HM080HC (80 GB IDE) WDC
WD7500AYYS (750 GB S-ATA II) Device manufacturers may change any parameters
without prior notice. ▲High instantaneous (burst) data-transfer rates (up to 6Gb/s).
▲Perpendicular recording technology.



Article Content

Jul 06, 2026

Seagate ST500LT012

ST500LT012 Seagate 2.5" hard drive with a storage capacity of 500GB and featuring a SATA interface. ST500LT012 Seagate Momentus Thin 500GB 5400RPM 2.5-inch 7MM 16MB Cache ...

Sep 05, 2025

ST500LT012 Laptop Thin HDD 5400 RPM

This manual describes the functional, mechanical and interface specifications for the following Seagate® Laptop Thin HDD model drives: These drives provide the following key features:

Oct 13, 2025

Specifications of ST500LT012-1DG142 Drive with Firmware ...

Information about the ST500LT012-1DG142 data storage device model with firmware 1001SDM1 of the Seagate trademark

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SEAGATE ST500LT012 PRODUCT MANUAL Pdf ...

About the Serial ATA Interface The Serial ATA interface provides several advantages over the traditional (parallel) ATA interface. The primary advantages include: ...

May 09, 2026

Seagate® Laptop Thin HDD

These drives use the industry-standard Serial ATA interface that supports FIS data transfers. It supports ATA programmed input/output (PIO) modes 0-4; multiword DMA modes 0-2, and Ultra DMA modes ...

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Hard Disk Sentinel

Hard disk specification and storage device technical details for disk SEAGATE ST500LT012

Aug 11, 2025

Specs DELL ST500LT012 internal hard drive 500 GB 5400 RPM 2.5 ...

Long summary description DELL ST500LT012 internal hard drive 500 GB 5400 RPM 2.5" Serial ATA: DELL ST500LT012. HDD capacity: 500 GB, HDD speed: 5400 RPM, HDD size: 2.5", ...

Aug 31, 2025

Momentum® Thin

These drives use the industry-standard Serial ATA interface that supports FIS data transfers. It supports ATA programmed input/output (PIO) modes 0-4; multiword DMA modes 0-2, and Ultra DMA modes ...

Sep 11, 2025

Seagate ST500LT012 (Laptop Thin HDD)

Seagate ST500LT012 (Laptop Thin HDD) Logs Interface SATA-2 (3Gbit/s) Power connector SATA Power (15-pin)

Jul 15, 2026

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About the Serial ATA Interface The Serial ATA interface provides several advantages over the traditional (parallel) ATA interface. The primary advantages include: Easy installation and configuration with ...

Jun 04, 2026

Seagate ST500LT012 | Momentum Thin SATA Product Manual

Serial ATA was designed to allow you to install a Serial ATA host adapter and Serial ATA disk drive specification. The specification can be downloaded from Momentum Thin ...

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