

StarTech MSAT2SAT3 SATA Drive to mSATA Host Adapter Specifications And Datasheet

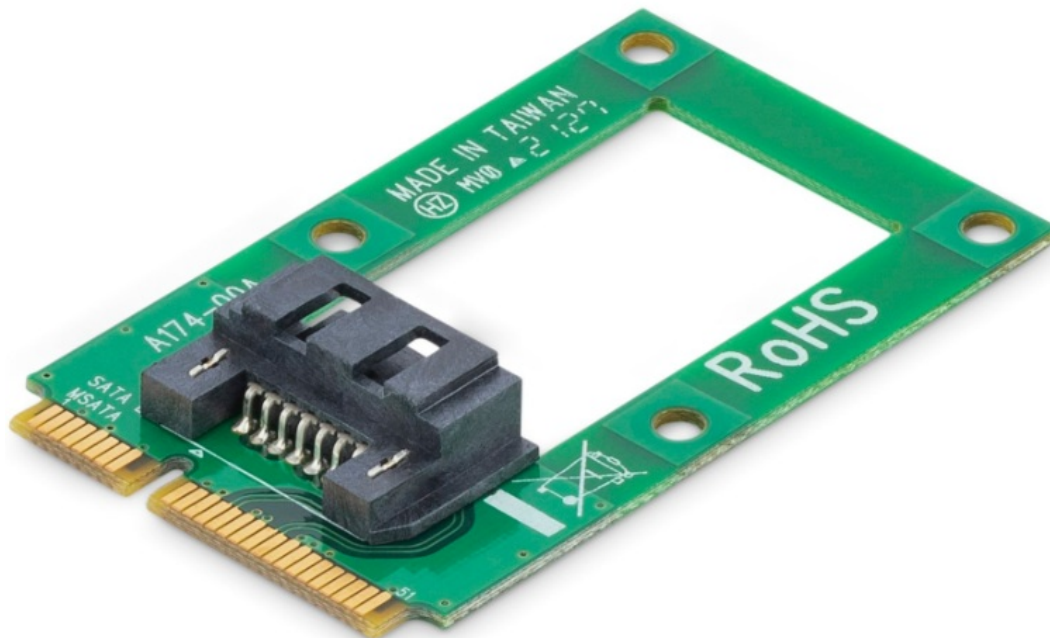
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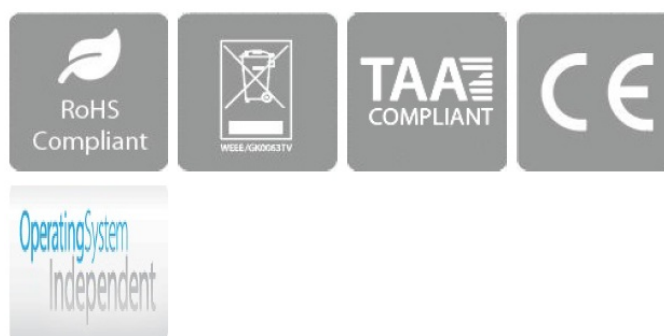
StarTech MSAT2SAT3 SATA Drive to mSATA Host Adapter



Introduction

The MSAT2SAT3 mSATA to SATA adapter enables you to connect a standard SATA drive to an available mSATA port. The adapter improves system capacity by enabling an mSATA port to host a larger SATA hard drive (tested up to 4TB). For guaranteed compatibility and performance, the adapter is compliant with SATA I/II/III revisions, allowing for transfer speeds up to 6Gb per second. The MSAT2SAT3 is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports, and Compatibility



Applications

- Add a larger SATA hard drive to a system board that only supports mSATA
- Turn an unused mSATA port into a supporting SATA port to connect a standard SATA hard drive

Features

- **IMPROVE STORAGE CAPACITY:** This mSATA to SATA adapter enables support of 2.5in and 3.5in SATA drives from an existing mSATA host port; A cost-effective solution to increase your system storage by adding a higher capacity SATA drive to your PC
- **ADD SATA CONNECTIVITY:** The mSATA to SATA converter also supports 3.5in SATA devices such as optical disk drives from an existing mSATA port

- **CONVENIENT SETUP:** This mSATA to SATA adapter includes a mounting screw kit and installs directly onto the motherboard; Supports any operating system, no software or drivers required
- **COMPATIBILITY:** mSATA to SATA adapter supports SATA III (6 Gbps) and is backward compatible with SATA I/II; Supports 2.5/3.5in SATA drives and SATA devices (Blu-ray, DVD, DVD-RAM, CD-ROM, CD-RW, Hard Disk); Additional power required for 3.5in SATA devices
- **THE IT PRO'S CHOICE:** Designed and built for IT Professionals, this mSATA to SATA adapter is backed for 2 years, including free lifetime 24/5 multi-lingual assistance

Specifications

Hardware

- **Warranty:** 2 Years
- **Interface:** Micro SATA
- **SATA**
- **Number of Drives:** 1
- **Drive Size:** 2.5in & 3.5in
- **Compatible Drive Types:** SATA
- **Drive Installation:** Fixed

Performance

- **Type and Rate:** SATA III (6 Gbps)
- **Hardware Raid Supported:** No
- **Max Drive Capacity:** Currently tested with up to 4TB 7200 RPM hard drive

Connector(s)

- **Drive Connectors:** 1 – SATA (7 pin, Data)
- **Host Connectors:** 1 – mSATA (52 pin, Mini SATA)

Software

- **OS Compatibility:** OS independent; No software or drivers required

Environmental

- **Operating Temperature:** 5C to 50C (41F to 122F)
- **Storage Temperature:** -25C to 70C (-13F to 158F)
- **Humidity:**
 - **Operating:** 20% to 80%
 - **Non-Operating:** 15% to 90%

Physical Characteristics

- **Color:** Green
- **Product Length:** 2.0 in [5.1 cm]
- **Product Width:** 1.2 in [3.0 cm]
- **Product Height:** 0.3 in [8.0 mm]
- **Weight of Product:** 0.4 oz [10.0 g]

Packaging Information

- **Package Quantity:** 1
- **Package Length:** 8.9 in [22.5 cm]
- **Package Width:** 4.9 in [12.5 cm]
- **Package Height:** 0.4 in [1.0 cm]
- **Shipping (Package) Weight:** 0.5 oz [15.0 g]

What's in the Box

- **Included in Package:**
 - 1 – mSATA to SATA Adapter
 - 1 – Screw kit
 - 1 – Installation Guide

Product appearance and specifications are subject to change without notice.

FAQs

What is the StarTech MSAT2SAT3 SATA Drive to mSATA Host Adapter?

The StarTech MSAT2SAT3 is an adapter that allows you to connect an mSATA solid-state drive (SSD) to a host computer or device with a standard SATA interface.

What is the purpose of this adapter?

This adapter is designed to enable the use of mSATA SSDs in systems or devices that have a standard SATA connection, providing compatibility and expandability.

Is this adapter compatible with all mSATA SSDs?

The adapter is generally compatible with most mSATA SSDs. However, it's essential to ensure that your specific SSD model is supported by checking the manufacturer's compatibility list.

What SATA version is supported by this adapter?

The StarTech MSAT2SAT3 adapter typically supports SATA III (6Gbps) for high-speed data transfer between the mSATA SSD and the host device.

How do I connect the mSATA SSD to this adapter?

Connecting the mSATA SSD to the adapter is straightforward. You insert the mSATA SSD into the designated slot on the adapter, ensuring a secure connection.

Can I use this adapter to clone or migrate data from an existing drive to an mSATA SSD?

Yes, the adapter can be used for data migration. You can clone data from an existing drive to the mSATA SSD when both are connected to the adapter.

Does it require external power?

No, the StarTech MSAT2SAT3 adapter is typically bus-powered, meaning it draws power from the host device via the SATA connection, eliminating the need for external power.

Is it compatible with both desktop and laptop computers?

Yes, the adapter is versatile and compatible with both desktop and laptop computers that have a standard SATA interface.

Can I use this adapter with gaming consoles or other devices?

While the primary use is for computer systems, it may be compatible with some devices with SATA connectivity, but compatibility may vary.

What is the maximum capacity of mSATA SSDs supported by this adapter?

The adapter typically supports mSATA SSDs of various capacities, including models with high storage capacities, allowing you to choose the size that suits your needs.

Is there a warranty included with the StarTech MSAT2SAT3 adapter?

The StarTech MSAT2SAT3 SATA Drive to mSATA Host Adapter typically comes with a warranty of lifetime from the date of purchase.

Is there any driver or software required for this adapter to work?

No, the adapter typically operates as a plug-and-play device, and no additional drivers or software are required for basic functionality.

What operating systems are compatible with this adapter?

The StarTech MSAT2SAT3 adapter is often compatible with a wide range of operating systems, including Windows, macOS, and various Linux distributions.

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