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StarTech IDE2SAT2 IDE to SATA Optical Drive Adapter Specifications And Datasheet

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StarTech IDE2SAT2 IDE to SATA Optical Drive Adapter

Introduction

The IDE2SAT2 40-pin IDE to SATA adapter enables you to connect a SATA I/II/III drive to an available IDE/ATA 33/66/100/133 motherboard port – a cost-effective solution that allows you to add newer SATA drives, and keep your existing motherboard.

The IDE/SATA adapter offers a cost-effective solution for bridging the gap between a newer 2.5″/3.5″/5.25″ SATA drive and an older IDE motherboard port. The IDE2SAT2 also features ODD (Optical Disk Drive) support, allowing you to add Blu-ray, DVD, or CD-ROM drives to an older IDE motherboard. The IDE/SATA adapter is backed by a StarTech.com 2-year Warranty and free lifetime technical support.

Applications

- An internal solution for connecting your SATA hard drive to a motherboard supporting an IDE interface
- Ideal for use with older motherboards that do not support SATA

Features

- Connect a SATA device to an IDE/ATA motherboard or controller card Complete hardware solution; no software required
- Support for 48-bit Logical Block Addressing (LBA)
- Compliant with SATA revision 1.0 specification
- Compatible with Ultra ATA 133 specification
- Supports 2.5″, 3.5″, and 5.25″ SATA Drives
- ODD (Optical Disk Drive) support, including Blu-ray, DVD, and CD-ROM drives

Technical Specifications

- **Warranty:** 2 Years
- **Chipset ID:** Marvell – 88SA8052
- **Connector Type(s):** 1 – IDE (40 Pin; EIDE/PATA)
- **Connector Type(s):** 1 – SATA Data & Power Combo (7+15 pin)
- **Connector Type(s):** 1 – SP4 (4 pin; Small Drive Power)
- **Maximum Data Transfer Rate:** 133MB/sec
- **System and Cable Requirements:** An IDE controller and ATA cable (not included).
- **Product Height:** 0.9 in [23 mm]
- **Product Length:** 3 in [75.5 mm]
- **Product Weight:** 0.5 oz [15 g]
- **Product Width:** 0.8 in [20 mm]
- **Humidity:** 15~90% RH
- **Operating Temperature:** 5°C to 50°C (40°F to 122°F)
- **Storage Temperature:** -25°C to 80°C (-13°F to 176°F)
- **Shipping (Package) Weight:** 2.8 oz [80 g]
- **Included in Package:** 1 – IDE to SATA adapter
- **Included in Package:** 1 – LP4 Molex to SP4 Power Cable
- **Included in Package:** 1 – Instruction Manual

FAQ's

What is the StarTech IDE2SAT2 IDE to SATA Optical Drive Adapter?

The StarTech IDE2SAT2 is an adapter designed to convert IDE (PATA) optical drives to SATA, allowing them to be used with modern SATA-equipped computers.

What is the purpose of this adapter?

The primary purpose of this adapter is to enable the connection of older IDE optical drives to newer computers or motherboards that only have SATA interfaces.

Is it compatible with all IDE optical drives?

The adapter is designed for compatibility with most standard IDE optical drives, but it's a good practice to check the drive's specifications and compatibility before use.

Does it require external power?

No, the adapter is typically powered through the SATA connection, so it doesn't require an external power source.

Is it suitable for both 3.5-inch and 5.25-inch optical drives?

Yes, the adapter is often compatible with both 3.5-inch and 5.25-inch IDE optical drives, providing versatility in drive size.

Does it support hot-swapping of optical drives?

The adapter may support hot-swapping, but it's essential to check the manufacturer's specifications and your computer's capabilities for hot-swapping compatibility.

What SATA revision is it compatible with?

The adapter is typically compatible with SATA I (1.5 Gbps), SATA II (3.0 Gbps), and SATA III (6.0 Gbps) interfaces, ensuring compatibility with most SATA-equipped systems.

Is it plug-and-play?

Yes, the adapter is often plug-and-play, meaning it's recognized by the operating system without the need for additional drivers or software installation.

Can it be used with solid-state drives (SSDs)?

The adapter is primarily designed for optical drives, but it might work with SSDs in some cases. However, it's recommended to use it with optical drives as intended.

Does it support any RAID configurations?

The adapter is typically not designed for RAID configurations and is intended for single-drive connections.

Is it compatible with Mac computers?

The adapter is often compatible with Mac computers that have SATA connections, but it's a good idea to check compatibility with your specific Mac model.

Is it reversible, or does it have a specific direction for connection?

The adapter is typically not reversible and has a specific direction for connecting IDE and SATA cables.

References: [StarTech IDE2SAT2 IDE to SATA Optical Drive Adapter – Device.report](#)