LINDY®
COMPUTER CONNECTION TECHNOLOGY

IDE to Serial-ATA Devices

User Manual
English
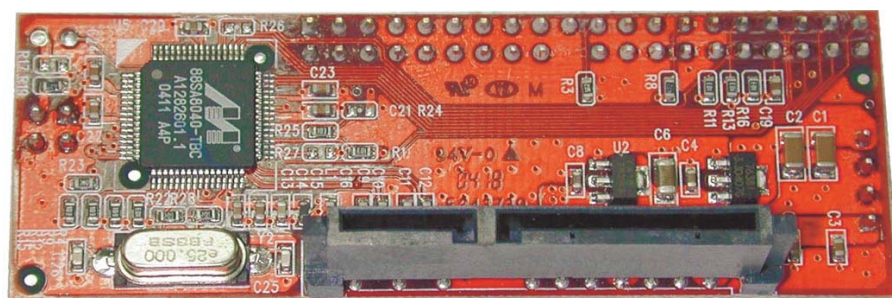
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1. Introduction

This Bridge Board is a converter solution for the Serial ATA Device. It has a standard 22 pin SATA port which can interface to a Serial ATA device (hard disk, CDROM, DVD, CD-RW, etc). It accepts Parallel ATA (IDE) commands through the 40 pin IDE connector from the host, decodes the commands and converts them to Serial ATA commands to the device. Response from the device through the SATA bus are deciphered, processed and converted to parallel ATA protocol and sent to the host.

The Converter Board supports the Serial ATA Generation 1 transfer rate of 1.5 Gb/s (150 MB/s) on the serial ATA side and is compatible with Ultra ATA-133 on the parallel ATA side.

1.1. Features

1.1.1. Overall Features
- Compatible with Ultra ATA 133 specifications
- Supports all types of SATA storage devices (DVD, DVD-RAM, MO, CD-ROM, CD-RW, Hard Disk, ….)

1.1.2. Serial ATA Features
- Compliant with Serial ATA 1.0 specifications
- Supports Serial ATA Generation 1 transfer rate of 1.5Gb/s
- Supports Spread Spectrum in receiver

2. Installation

Step 1.   Connect Y-type power cable to J1 connector and PC Power Supply
Step 2.   Set J3 on M for IDE Master mode or S for IDE Slave mode
Step 3.   Attaches 22 pin SATA connector (P1) to the back of SATA Device
Step 4.   Connect IDE cable to J2 (40 pin connector) and IDE Host

Important*   J3 must be set on Master Mode for Booting device**

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