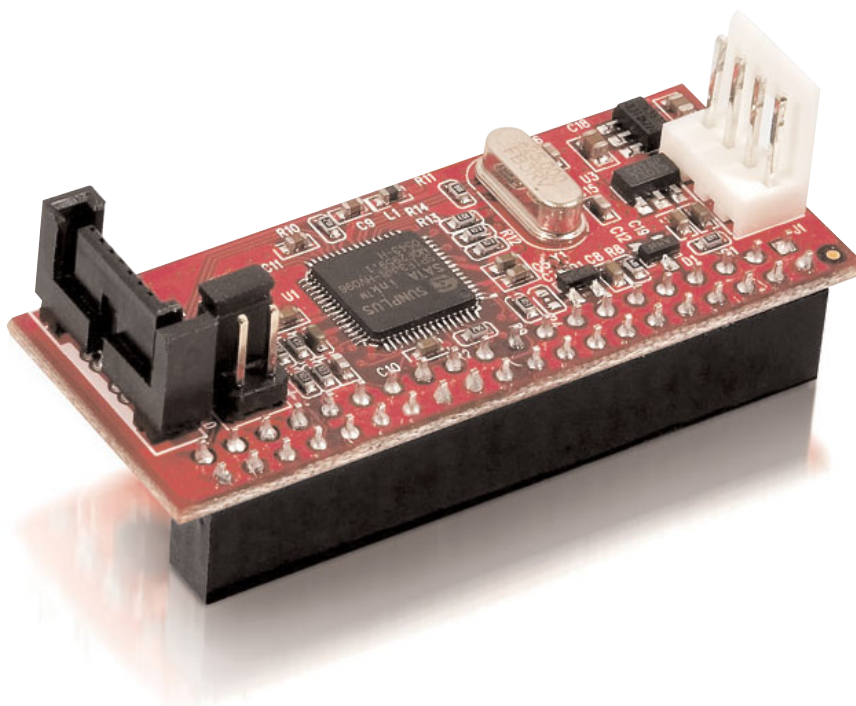




IDE / SATA Converter

english

1. Introduction

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

The Converter Board supports the Serial ATA Generation 1 transfer rate of 150 Mbps on the serial ATA side and is compatible with Ultra ATA-133 on the parallel ATA side.

2. Features

2.1 Overall Features

- Compatible with Ultra ATA 133 specifications
- Supports all types of ATAPI, ATA133, ATA100, ATA66, ATA33, EIDE and IDE storage devices (DVD, DVD-RAM, MO, CD-ROM, CD-RW, Hard Disk, ...)

2.2 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

3. Installation

Step 1. Set IDE device (HDD, CD-RW, ...) on Master mode

Step 2. Attach 40pin IDE connector to ATA (IDE) Device

Step 3. Connect Y-type power cable to JR1 connector of the board and Power Supply

Step 4. Connect S/ATA cable to CON1 connector and S/ATA Host

Step 5. Connect 2pin pin header to HDD LED Indicator in front panel

 Important!

This bridge board must be attached to the IDE device. DO NOT power on this bridge board without a device attached.

IDE mobile racks are not real plug & play devices, therefore we do not recommend this bridge board to work with mobile racks. If this bridge board is used with an IDE mobile rack, the HDD must be connected and power on. Do not remove the mobile rack from your system.

If the DVD drive do not operate properly, remove JP2 and keep on NC.