

SATA-to-Ultra ATA-133 Converter Board

1. Introduction

This SATA-to-Ultra ATA-133 Converter Board is a converter solution for the Parallel Ultra ATA Device. It has a standard 40 pin ATA port which can interface to a parallel Ultra ATA (IDE) device (hard disk, CDROM, etc). It accepts Serial ATA commands through the Serial 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 Serial ATA protocol and sent to the host.

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

1.1. Features

1.1.1. Overall Features

- Compliant with ATA specifications
- Compatible with Ultra ATA 133

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

1.2. Package Contents

- SATA-to-Ultra ATA-133 Converter Board
- This User's Manual
- Y-type power cable
- Serial ATA cable

2. Installation

Step 1. Plug 40 pin IDE connector JP2 to Hard Disk

Step 2. Connect Y-type power cable to JR1 connector of the board and Hard Disk

Step 3. Connect Serial ATA cable to CON1 connector