SABR1000D

Parallel-ATA to Serial-ATA bridge board

Overview

SUNIX SABR1000D exchanges the Serial ATA protocol with Parallel ATA bus transaction. S-ATA is not only an evolutionary replacement for the P-ATA physical storage interface, but also scalable future enhancements to the computing platform. SABR1000D allows users to connect existing P-ATA and ATAPI devices (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. It 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.

Features

· Standalone Parallel ATA to Serial ATA device converter.
· Compliant with Serial ATA 1.0a specifications.
· Supports Serial ATA Generation 1 transfer rate of 1.5Gb/s.
· Compliant with ATA specifications.
· Compatible with Ultra ATA 133.
· Supports ATAPI devices with multiple options for DMA direction.
· Transparent to BIOS or OS, no driver is necessary.
· ATA/ATAPI Ultra DMA of transfer rate 16.7, 25, 33, 48, 66, 100, 133, and 150MB/s.

Specifications

· Interface: P-ATA to S-ATA Converter.
· IC: JMircon JM20330.
· Port type: One IDE 40-pin and one SATA connector.
· OS Support: Windows® 98SE/NT 4.0/ME/2000/XP/ Server2003 and Linux.
· Approval: CE / FCC / WEEE / RoHS
· Environment :
· Operation temperature: 0 °C ～ 60 °C
· Storage temperature: -20 °C ～ 85 °C
· Operation humidity: 5 ～ 95% RH

Application

Package

· Parallel-ATA to Serial-ATA Converter
· " Y " split power cable
· Quick installation guide