

SB4002A Development Kit

PCI Target Controller Evaluation Board

SB4002A is a PCI target controller one chip solution that connects PCI Bus and Legacy Bus as a bridge and is developed by SystemBase Co., Ltd.

SB4002A Development Kit provides developers the easiness and minimized time while developing various PCI Cards using SB4002A. With this Evaluation Board, developers can test serial ports and verify the value of PCI configuration.



Features

Powerful Solution for Developing Various PCI Cards

SB4002A Development Kit supports PCI Local Bus Specification V2.3. For developers, SB4002A offers various functions for PCI Card Application as a PCI Target Controller.

Memory Request & I/O Request

This Evaluation Board includes one UART 16C550, SDRAM 64K × 16-bit, and 64K × 32-bit Memory for treating Memory Requests and I/O Requests. Users can test Memory, I/O, and Configuration Transaction of PCI with these components.

Support 8 GPIO Ports

SB4002A has 8 GPIOs which can be applied to various Applications. SB4002A Evaluation Board offers a DIP-8 switch for the test of LED Display and input-mode GPIO for each port.

Support various resources for developer

SB16C552PCI Development Kit offers various resources for developers

- Evaluation Board, reference schematic, evaluation board artwork & gerber files, device driver, utility program and source codes.

SB4002A Evaluation Board Specifications



UART	one 16C550 UART (RS232 only/DB9)
Memory	64K x 16bit (128KB) Memory 64K x 32bit (256KB) Memory
Bus Interface	PCI Local Bus Spec. V2.3
GPIO	DIP-8 SWITCH for input mode GPIO LEDs Display for output mode GPIO
Test Connector	two 50P Socket for Test Board (J2,J3) - 25x2 PIN Header Socket (2.54mm)
IRQ & Address	Automatic setting
Device Driver	Microsoft Windows 2K/XP/2003
Features	- Various test mode through selecting each devices chip selection signal. - Support PCI Power Management - Select 33/66MHz PCI Bus speed - 8 GPIOs test

SB4002A Development Kit Contents

Packages

SB4002A Evaluation Board 1EA
SB4002A Development Kit Manual
SB4002A DataSheet
SB4002A Development Kit CD 1EA

SB16C552PCI Development Kit CD

Related Documents for developer
SB4002A Evaluation Board Schematic
SB4002A Evaluation Board Artwork & Gerber
Device Driver & Source Code
Utility Program
Serial EEPROM Image