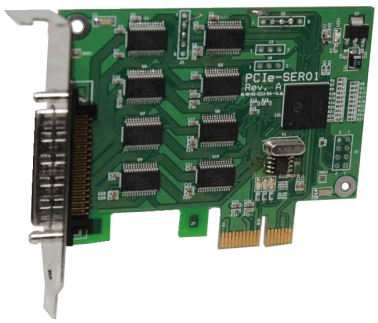
PCIe-SER01

8 Ports RS-232 Terminal Board



INTRODUCTION

PCIe-SER01 is a board having 8 UART (Universal Asynchronous Receiver Transmitter).

GENERAL DESCRIPTION

- ◆ PCI Express 1x Interface
- ◆ PCI Bus Master Operation
- ◆ PCI Express Ver1.1 Compatible
- ◆ Support a PCI Power Management 1.2

APPLICATION

- ◆ Remote Access Server
- ◆ Network/Storage Management
- ◆ Factory Automation and Process Control
- ◆ Multi-port RS232 Cards
- ◆ Point-of-Safe System (PoS)
- ◆ Industrial PC
- ◆ Industrial Control
- ◆ Embedded Systems)

SOFTWARE

▣ **Operating System**

- ▪ Windows 2000 SP4/XP SP1/7

SPECIFICATION

▣ **Features**

- ▪ PCI Local Bus Specification V1.0
- ▪ PCI Express Ver1.1 Compatible
- ▪ PCI Target and Bus Master Operation
- ▪ PCI Express 1x Interface

▣ **Functions**

- ▪ Eight High Performance UART
- ▪ Fully 16C550 Software Compatible UARTs
- ▪ 128-byte FIFO for each transmitter and receiver
- ▪ Data framing size including 5, 6, 7, 8, and 9bits
- ▪ Detection of bad data in the receiver FIFO

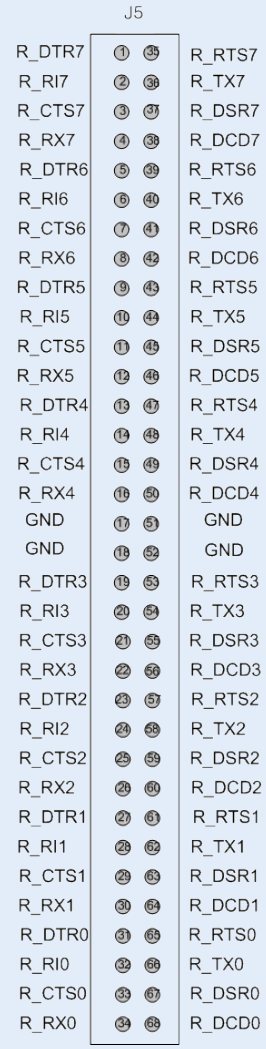
▣ **Temperature**

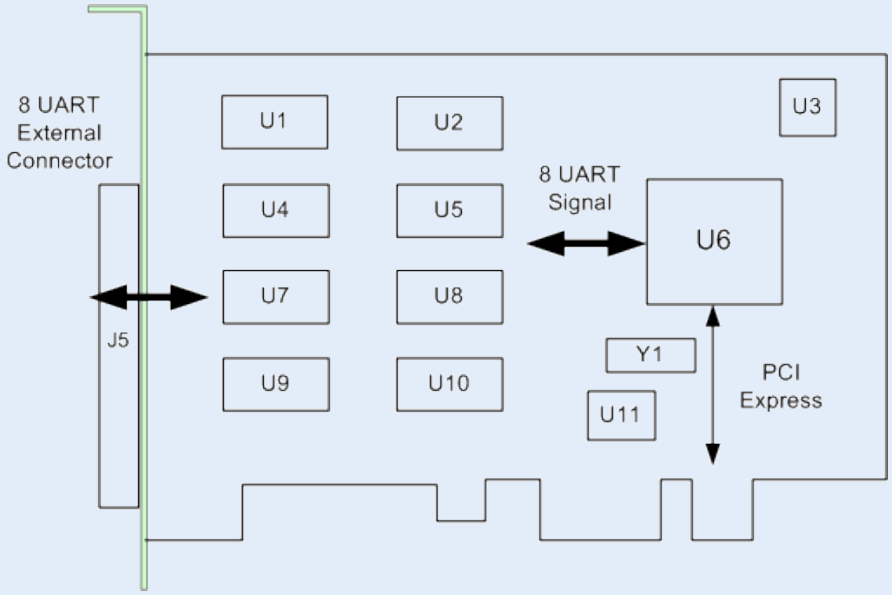
- ▪ 0 to 60℃, operating
- ▪ -20 to + 80℃ storage

▣ **Relative Humidity**

- ▪ 5 to 95%, Non-considering

▣ Board Feature





▣ Description of each block of PCIe-SER01

No.	Name	Description
1	U6	Octal UART Interface
2	U1, U2, U4, U5,U7, U8, U9, U10	Port 0 ~ 7
3	J5	68 pin VHDCI(Very High Density Cable Interconnect) connector
4	U11	EEPROM
5	Y1	Oscillator
6	U3	Power Generator

BLOCK DIAGRAM