Multi-8/LPCI

Features

- 8 Ports Serial Card
- Supports PCI and PCI-X Bus Interface
- RS-232 or RS-422/485(Combo) Interface: 8 ports
- 256 byte FIFO, the Largest Size in the World
- Maximum Communication Speed: 921.6kbps
- Auto Toggling: Automatic control I/O of the Bus for RS-422/485
- Slew-rate Limit Control
- 15kV Surge Protection

Overview

Multi-8/LPCI is equipped with SB16C1058PCI, powerful semiconductor designed by SystemBase. The SB16C1058PCI semiconductor is a UART designed for PCI Bus which has the 256 byte FIFO, the largest in the world. There are no overrun when communicating with 921.6kbps. It has all the necessary components for the serial communication that the developers do not require additional components to design the product. There are RS-232 and RS-422/485 (Combo) models. It is ideal for POS, medical use, factory automation and building automation field.

Auto Toggling

The Multi-8/LPCI has a built-in hardware feature that performs automatic toggling to prevent devices from sending data at the same time causing a crash. This operation is crucial when multiple devices are connected to prevent electrical collisions that lead to errors and unstable communication.

Slew-Rate Limit Control

The Multi-8/LPCI is equipped with Slew Rate limit control for RS-422/485 interface and when enabled it minimizes EMI emissions which may cause data transmission errors. When Slew Rate is used maximum communication speed is 250kbps. This function is recommended in many medical applications.

Specification

Bus Interface

Specification	PCI Local Bus Specification Rev. 2.3

Serial

Interface	RS-232, RS-422/485 (Combo)
Number of ports	8
Maximum Speed	921.6 kbps (For 5.3Mbps model, please contact our sales representative.)
Signal Lines	RS-232: TXD, RXD, DTR, DSR, RTS, CTS, DCD, GND, RI (5V or 12V) RS-422: TXD+, TXD-, RXD+, RXD- RS-485: TRXD+, TRXD-
Protection	Built-in ESD Protection: ±15kV
Flow Control	RTS/CTS, XON/XOFF (by Hardware or Software)
Data Crash Prevention	Auto Toggling (by Software)

Hardware

Controller	SB16C1058PCI
Board Connector	DB44 (Female)
Panel Connector	DE-09S (DB9 Female)

Software

OS	Windows 7/ 2008/ 8.1/ 10/ 2012
	LINUX
Utility	TestView™

Operating Environment

Operating Temperature	0 ~ 50 °C
Storing Temperature	-20 ~ 70 °C
Humidity	5 ~ 95% Non-Condensing

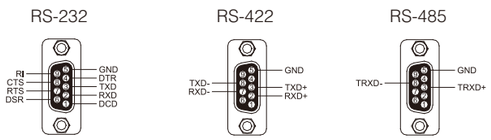
Certifications

KC, CE, FCC

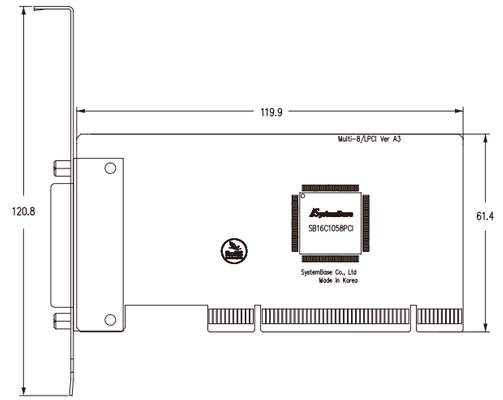
Ordering Information

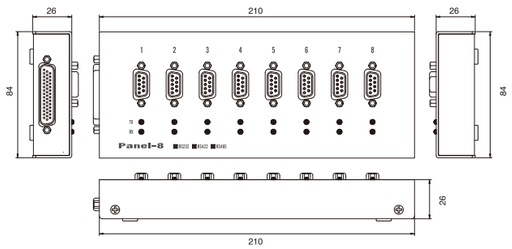
Multi-8/LPCI 232	Multi-8/LPCI D-sub 44-Pin Female CD(Driver, Manual and Utility)
Panel-8/232	Panel-8 RS-232
Panel-8/Combo	Panel-8 Combo (RS-422/485)

Pin Assignment



Dimension





unit : mm

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