SerCom

2/4/8-port Serial Universal PCI Card

Overview

SerCom Series Universal PCI Multiport Serial Card is the ideal solution for any application that requires high speed RS-232/RS-422/RS-485 interfaces. SerCom uses the high performance Oxford OXmPCI954 chip with an on-chip PCI interface. It is a 4-port Universal Asynchronous Receiver Transmitter which offers data rates up to 921.6 Kbps, 128-byte FIFO, and is fully compatible with widely used industry-standard 16C550 devices. SerCom also improves software and hardware flow control to speed up the data throughput. The RS-422/485 isolated version of SerCom provides 2 KV optical isolation protection for each port to protect connected hosts and cards from damage caused by any ground voltage difference or noise -coupling from connected cables. SerCom also bundles with a powerful utility that provides the self-diagnostic, throughtput analysis and COM port smart remap functionalities.

Ordering Information

ITEM	CONTENT
SerCom-8204	4-port RS-232 Universal PCI Card
SerCom-8204w	4-port RS-232 Wide Temperature Universal PCI Card
SerCom-8206	8-port RS-232 Universal PCI Card
SerCom-8206w	8-port RS-232 Wide Temperature Universal PCI Card
SerCom-8402	2-port RS-422/485 Universal PCI Card
SerCom-8402i	2-port RS-422/485 Isolated Universal PCI Card
SerCom-8404	4-port RS-422/485 Universal PCI Card
SerCom-8404i	4-port RS-422/485 Isolated Universal PCI Card

• RoHS Compliant

Specification Highlight

INTERFACE	
Bus Interface	32-bit Universal PCI
Number of Ports	2 / 4 / 8
Max. Number of Boards	4
IRQ	Assigned by PCI plug and play
Data Bits	5, 6, 7, 8
Stop Bits	1, 1.5, 2
Parity Bits	None, Even, Odd, Space, Mark

HARDWARE	
Communication Controller	OXmPCI954 (OXFORD)

PERFORMANCE	
FIFO Size	128 Bytes
Speed	50 bps to 921.6 Kbps
Surge Protection	Embedded 15KV ESD Surge Protection

MECHANICAL	
Dimensions	120 x 80 mm

ENVIRONMENTAL	
Operating Humidity	5% to 95 % (Non-condensing)
OS Supported	Windows 98/Me/NT/2000/XP/2003, Linux RedHat Enterprise 3.0/4.0 Linux RedHat 7.3/8.0/9.0 Linux Fedora Core 3/4/5

REGULATORY APPROVALS	
EMI	FCC, CE
Warranty	5 years

About GZ TECH

We are member of Microsoft Embedded Partner, has more than 150 years' engineering experiences in Industrial and Gaming Solutions, especially ARM series processors with Windows CE, and Linux support. Our focus is to provide complete system level solutions for the customers to develop reliable and cost effective embedded products such as Industrial controller, HMI, POS, Kiosk, Gaming, Medical and Advertisement solutions.