AICP-RS232/422/485-4 PCI-Card

Overview	The AICP-RS232/422/485-PCI is designed for RS232 and RS422/485 industrial communication. It supports 4 switchselectable, independent RS232 and RS422/485 ports. Each RS422/485 port can control up to 32 devices in a multidrop environment. Applications can easily manage the data transmitting and receiving of the half-duplex RS485 port without extra code via `Automatic Data Direction Control (ADDC)` intelligence. In addition, on-chip hardware flow control and built-in termination resistors guarantee data integrity. All above make the PCI- Card suitable for harsh industrial applications.
Applications	• Multiport data acquisition • Industrial control • Factory automation • Embedded industrial machine • Remote serial device control • SCADA

Specification

Hardware	
I/O controller:	4x 16C550C or compatible, each with 16 bytes Tx/Rx FIFO
Connector type:	Male DB9
Interface	
Bus interface:	PCI version 2.1 (32bit)
Serial interface:	RS232, RS422 / 485
No. of ports:	4
Signals:	RS232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND RS422: TxD+/-, RxD+/-, RTS+/-, CTS+/-, GND RS485: Data+/-, GND
RS485 data control:	Auto (Automatic Data Direction Control) or by RTS
Built-in termination resistor:	RS485: 120 Ohm, jumper enable / disable
Performance	
Speed:	50 - 921.6Kbps
Max. no. of ports:	16 (4 boards)

Configuration	
Parity:	None, even, odd, space, mark
Data bits:	5, 6, 7, 8
Stop bits:	1, 1.5, 2
IRQ:	Assigned by BIOS
I/O address:	Assigned by BIOS
Power and Evironment	
Power requirement:	720mA max.(+5V), 43mA(+12V), 31mA(-12V)
Operation temp.:	0°C - 55°C
Dimension:	135mm x 110mm
Operating Systems supported	Windows 2000, Windows NT, Windows 95/98, DOS
Ordering Information	• **AICP-RS232/4** • **DB9 Connectors** • **Windows NT, 95/98 and DOS Drivers and manual** • **PComm Lite serial comm developing tool**

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