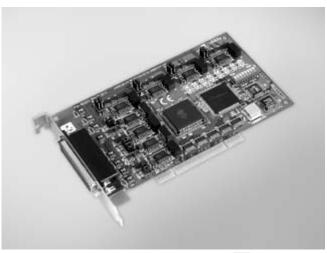
PCI-1622CU

8-port RS-422/485 Universal PCI Communication Card with Isolation & EFT Protection



Features

- PCI 2.2 compliant
- Speeds up to 921.6 kbps
- 8-port RS-422/485
- 16PCI954 UARTs with 128-byte FIFOs standard
- I/O address automatically assigned by PCI Plug & Play
- OS supported: Windows 2000/XP/Vista/7, Windows CE 5.0/6.0, Linux
- Interrupt status register for increased performance
- Space reserved for termination resistors
- Automatic RS-485 data flow control
- Supports any baud rate with high precision
- Universal PCI (supports 3.3 V or 5 V PCI bus signal)
- 2,500 V_{DC} EFT Protection
- 2,500 V_{DC} Isolation Protection



Introduction

PCI-1622CU is an 8-port RS-422/485 PCI communication card that is compatible with the PCI 2.2 bus specification. PCI-1622CU provides many functions such as eight independent RS-422/485 ports with isolation protection, high transmission speed of 921.6 kbps, protection and comes with high-performance 16PCI954 UARTs with a 128-byte FIFO to reduce CPU load. These components make your system more stable and reliable. Thus, the PCI-1622CU is especially suitable for multitasking environments.

Advantech provides a convenient utility program called ICOM Tools to help test the PCI card's performance by analyzing the port status. The menu commands and toolbar buttons of ICOM Tools acts as a PC-based data scope that lets you set a trigger condition captures the communication data and monitors the signal status. ICOM Tools is applicable to all series of Advantech ICOM cards.

Specifications

General

Card Interface Universal PCI V2.2
Certifications CE, FCC class A
Connectors 1 x DB78-F

■ **Dimensions** 185 x 100 mm (7.3" x 3.9")

Power Consumption 600 mA @ 5 V

Communications

Communication 16PCI954+16C954
Controller

Data Bits 5, 6, 7, 8

Data Signals
RS-422: TX+, TX-, RX+, RX-, RTS+, RTS-, CTS+, CTS-,

GNE

RS-485: Data+, Data-, GND

FIFO 128 bytes
Flow Control RTS/CTS, Xon/Xoff
IRQ Assigned by Plug & Play
Parity None, Odd, Even

• Ports 8

• **Speed** 50 bps ~ 921.6 kbps (Supports any baud rate)

Stop Bits 1, 1.5, 2

Protection

ESD Protection 16 kV
Isolation Protection 2,500 V_{DC}
EFT Protection 2,500 V_{DC}

Software

Bundled Software ICOM Tools

OS Support
Windows 2000/XP/Vista/7, Windows CE 5.0/6.0, Linux

Environment

Operating Humidity
Operating Temperature
Storing Temperature

Ordering Information

■ **PCI-1622CU** 8-port RS-422/485 Uni PCI Comm, Iso/EFT

OPT8I 1 m DB78 to 8 DB25 cable
OPT8J 1 m DB78 to 8 DB9 cable

Note: Cable not included

For most applications the PCI-1622 requires an OPT8I or OPT8J cable.