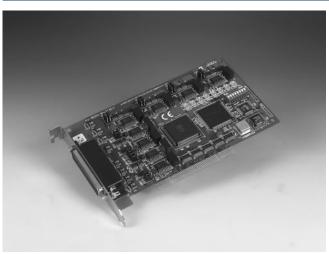
# PCI-1622CU

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



## **Features**

- PCI Specification 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® 98/ME/2000/XP/XP Embedded, Linux
- Interrupt status register for increased performance
- Space reserved for termination resistors
- Automatic RS-485 data flow control
- Powerful and easy to use utility (ICOM Tools)
- Universal PCI (Supports 3.3 V or 5 V PCI bus signal)
- 2,500 V<sub>DC</sub> EFT Surge Protection
- 2,500 V<sub>DC</sub> 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, surge 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

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

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

600 mA @ 5 V Power Consumption

#### **Communications**

Communication 16PCI954+16C954 Controller

Data Bits 5, 6, 7, 8

 Data Signals RS422: RTS+, RTS-, CTS+, CTS-, TX+, TX-, RX+, RX-,

RS-485: Data+, Data-, GND

 FIF0 128 bytes Flow Control RTS/CTS, Xon/Xoff IR0 Assigned by Plug & Play Parity None, even, odd

Ports

50 bps ~ 921.6 kbps Speed

1, 1.5, 2 Stop Bits

#### **Protection**

 ESD Protection 16 kV **Isolation Protection** 2,500 V<sub>DC</sub> • EFT Surge Protection 2.500 Vnc

### Software

 Bundled Software ICOM Tools

Windows 98/ME/2000/XP/XP Embedded, Linux Driver Support

#### **Environment**

5 ~ 95% RH. non-condensing. (IEC 68-2-3) - Humidity • Operating Temperature  $0 \sim 65^{\circ} \text{ C} (32 \sim 149^{\circ} \text{ F}) (IEC 68-2-1, 2)$  Storing Temperature -25 ~ 85° C (-13 ~ 185° F)

# **Ordering Information**

 PCI-1622CU 8-port RS-422/485 Universal PCI COMM Card

w/Isolation and EFT Surge Protection (cables not

included)

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

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