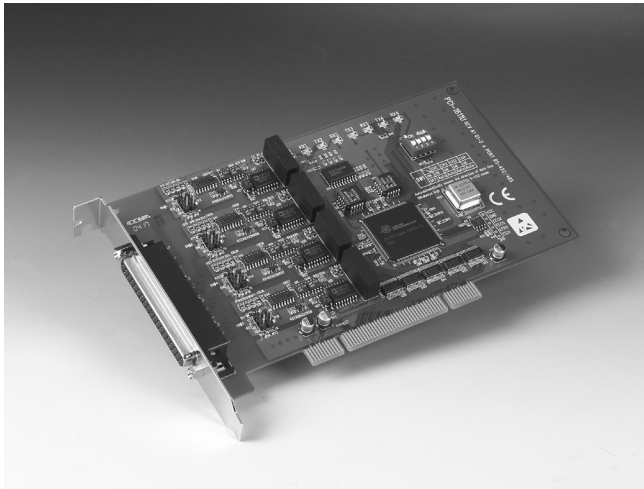


# PCI-1611U

## 4-port RS-422/485 Universal PCI Communication Card, w/Surge Protection



### Features

- PCI bus Specification 2.2 compliant
- Speeds up to 921.6 Kbps
- 4-port RS-422/485
- 16PCI954 UARTs with 128-byte FIFOs standard
- I/O address automatically assigned by PCI plug-and play
- OS supported: Windows 9X, Windows NT, Windows 2K, Windows XP, 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
- 2,500 V<sub>DC</sub> Surge Protection
- 2,000 V<sub>DC</sub> Isolation Protection

### Introduction

The PCI-1611U is a 4-port RS-422/485 PCI communication card that is compatible with the PCI 2.2 bus specification. The PCI-1611U provides many functions such as four independent RS-422/485 ports with isolation protection, high transmission speed of 921.6Kbps, and surge protection. The PCI-1611U also comes with high-performance 16PCI954 UARTs with 128-byte FIFO to reduce CPU loading. These components make your system more stable and reliable. Thus, the PCI-1611U is especially suitable for multitasking environments.

PCI-1611U has a universal PCI connector that is compatible with both newer 3.3 V signaling systems and the traditional 5 V signaling systems. This gives high compatibility and allows usage in diverse systems.

To improve the performance of the system, the PCI-1611U allows transmission rates up to 921.6 kbps, and to further increase reliability, the PCI-1611U offers surge protection technology, protecting your system from abrupt high voltages up to 2,500 VDC. Besides, Advantech also provides a convenient utility program, ICOM Tools, to help you test the PCI card's performance by analyzing the port status. The easy-to-use graphical user interface of ICOM Tools works like a PC-based data scope that lets you set trigger conditions to capture communication data and monitor a signal's status. ICOM Tools is applicable to all series of Advantech ICOM cards.

### Specifications

- **Bus Interface** PCI bus specification 2.2 compliant
- **IRQ** All ports use the same IRQ assigned by PCI Plug-and-Play
- **Data bits** 5, 6, 7, 8
- **Stop bits** 1, 1.5, 2
- **Parity** none, even, odd
- **Communication Controller** 16PCI954
- **Speed** 50 bps ~ 921.6 kbps
- **Data Signals** TxD, RxD, RTS, CTS (for RS-422/485)
- **Power Consumption** 600 mA @ 5 V
- **Dimensions** 185 x 100 mm
- **Operating Temperature** 0 ~ 65° C (refer to IEC 68-2-1, 2), (32 ~ 149° F)
- **Operating Humidity** 5 ~ 95 % Relative Humidity, non-condensing (refer to IEC 68-2-3)
- **Storage Temperature** -25 ~ 85° C (-13 ~ 185° F)

### Ordering Information

- **PCI-1611U** 4-port RS-422/485 Universal PCI Communication Card, w/Surge & Isolation (30cm DB-37 to 4 DB-25 cable included)
- **PCI-1611U/9** 4-port RS-422/485 Universal PCI Communication Card, w/Surge & Isolation (30cm DB-37 to 4 DB-9 cable included)