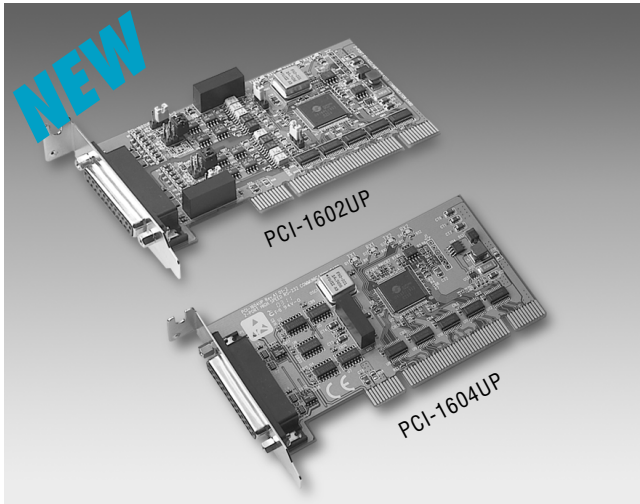


PCI-1602UP PCI-1604UP

2-port RS-232 Low-Profile PCI Communication Card, w/Surge Protection 2-port RS-422/485 Low-Profile PCI Communication Card, w/Surge Protection



Features

- PCI bus specification 2.2 compliant
- Speeds up to 921.6 Kbps
- 2-port RS-232(PCI-1604UP); 2-port RS-422/485 (PCI-1602UP)
- I/O address automatically assigned by PCI plug-and-play
- OS supported: Windows®NT, Windows®95/98, Windows®2000, XP
- Surge protection (PCI-1602UP/1604UP)
- Isolation protection for RS-422/485 (PCI1602UP)
- Interrupt status register for increased performance
- Space reserved for termination resistors
- Automatic RS-485 data flow control
- Utility-Icom Tools
- Universal PCI
- Low-profile PCI

Introduction

The PCI-1602UP/1604UP is a 2 port RS-232/422/485 PCI communication card. It is compatible with PCI 2.2 bus specification. PCI-1602UP/1604UP provides two optional surge protection RS-232 (PCI-1602UP), RS-422/485 ports (PCI-1604UP) to meet user's needs. It features lots of functions such as high transmission speed 921.6 Kbps; two independent RS-422/485 ports; optional surge protection etc. PCI-1602UP/1604UP also comes with high-performance 16PCI954/16PCI952 UART with 128-byte FIFO to reduce CPU load. These components make the it more stable and reliable. Thus, the PCI-1602UP/1604UP is especially suitable for multitasking environments.

To improve the performance of the system, the PCI-1602UP/1604UP allows transmission rate up to 921.6 kbps. To further increase reliability, The PCI-1602UP/1604UP offers surge protection technology, protecting your system from abrupt high voltage 2500 V_{DC}. Besides, Advantech also provides a convenient utility program, ICOM Tools, to help users test the PCI card performance by analyzing the port status. It's easy to use the menu commands and toolbar buttons. 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. In addition, ICOM Tools is applicable to all series of Advantech ICOM cards.

Specification

- **Bus Interface:** PCI bus spec. 2.2 compliant
- 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:** 16PCI952 (PCI-1602UP)
16PCI952 (PCI-1604UP)
- **Speed (bps):** 50 ~ 921.6 K

- **Data Signals:** TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND, (for RS-232)
RI (PCI-1610)
TxD, RxD, RTS, CTS (RS-422/485)
- **Surge Protection:** 2500 V_{DC}
- **Isolation Protection:** 2500 V_{DC} (PCI-1602UP)
- **Power Consumption:** 5 V @ 300 mA (MAX)
- **Power Requirement:** 5 V
- **Dimensions:** 119.91 mm x 64.41 mm (PCI)
- **Operating Temp.:** 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-1602UP**
2-port RS-422/485 Low-Profile PCI Communication Card
- PCI-1604UP**
2-port RS-232 Low-Profile PCI Communication Card