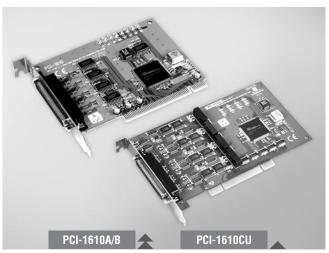
PCI-1610 Series

4-port RS-232 PCI **Communication Cards**



Features

- PCI bus 2.1 (PCI-1610A/1610B), 2.2 (PCI-1610CU) compliant
- Speeds up to 921.6 kbps
- 4-port RS-232
- 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/Vista, Windows CE 5.0/6.0, Linux
- Interrupt status register for increased performance
- Powerful and easy to use utility (ICOM Tools)
- Universal PCI (supports 3.3 V or 5 V PCI bus signal) (PCI-1610CU only)
- 2,500 V_{DC} EFT Protection (PCI-1610B/1610CU)
- 2,500 V_{DC} Isolation Protection (PCI-1610CU only)



Introduction

PCI-1610 is a 4-port RS-232 PCI communication card that is compatible with the PCI 2.1 bus specification. (PCI-1610CU is also compliant with 2.2) and offer transmission speeds up to 921.6 kbps. PCI-1610 also comes with high-performance 16PCI954 UART with a 128-byte FIFO to reduce CPU load. These components make your system more stable and reliable. Thus, the PCI-1610 is especially suitable for multitasking environments.

PCI-1610CU has an universal PCI connector that is compatible with both the latest 3.3 V signaling systems and the traditional 5V signaling system. This gives high compatibility and allows usage in diverse systems. To further increase reliability, the PCI-1610B and PCI-1610CU offers EFT protection technology, protecting your system from abrupt high voltages up to 2,500 V_{DC}. PCI-1610CU also provides 2,500 V_{DC} isolation to protect your PC and equipment against damages from ground loops in harsh environments.

Specifications

General

Bus Type PCI V 2.1 (PCI-1610A/1610B) Universal PCI V 2.2 (PCI-1610CU)

Certifications CE. FCC class A Connectors 1 x DB37-F

- Dimensions (L x W) 123 x 92 mm (4.8" x 3.6") (for 1610A and PCI-1610B)

185 x 100 mm (7.3" x 3.9") (for PCI-1610CU)

 Power Consumption Typical

+12 V: 80 mA +12 V: 60 mA +5 V: 150 mA +5 V: 180 mA

Communications

Controller

 Communication 16PCI954

Data Bits 5. 6. 7. 8

RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND, Data Signals

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

Stop Bits 1, 1.5, 2 Speed 50 bps ~ 921.6 kbps

Protection

 ESD Protection 16 kV

2,500 V_{DC} (PCI-1610CU only) Isolation Protection EFT Protection 2,500 V_{DC} (PCI-1610B/1610CU only)

Software

 Bundled Software ICOM Tools

 OS Support Windows 98/ME/2000/XP/XP Embedded, Windows CE

5.0/6.0, Linux

Environment

• **Humidity (Operating)** 5 ~ 95% RH, non-condensing (refer to IEC 68-2-3) • Operating Temperature $0 \sim 65^{\circ}$ C (refer to IEC 68-2-1, 2), (32 \sim 149° F)

■ **Storage Temperature** -25 ~ 85° C (-13 ~ 185° F)

Ordering Information

PCI-1610A 4-port RS-232 PCI Comm Card (4 DB25)

PCI-1610A/9 4-port RS-232 PCI (4 DB9)

4-port RS-232 PCI Comm Card w/EFT, 4 x DB25 PCI-1610B PCI-1610B/9 4-port RS-232 PCI Comm Card w/EFT, 4 x DB9 PCI-1610CU 4-port RS-232 Uni PCI Comm Card, Iso/EFT, 4 x DB25 PCI-1610CU/9 4-port RS-232 Uni PCI Comm Card, Iso/EFT, 4 x DB9

Note: 30 cm DB37 to 4 x DB25 or 4 x DB9 cable included