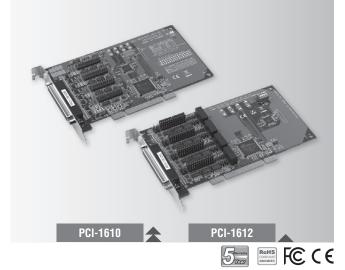
PCI-1610 PCI-1612

4-port RS-232 Universal PCI **Communication Card**

4-port RS-232/422/485 Universal **PCI Communication Card**



Features

- PCI bus 2.2 compliant
- Supports serial speed up to 921.6 kbps, and any baud rate setting
- 4-port RS-232 (PCI-1610), 4-port RS-232/422/485 (PCI-1612) •
- OXuPCI954 UART with 128-byte FIFO standard
- I/O address automatically assigned by PCI Plug & Play
- OS supported: Windows 2000/XP/Vista/7. Windows CE 5.0/6.0. Linux. and QNX
- 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
- 1,000 V_{DC} surge protection
- 2,500 V_{DC} isolation protection (PCI-1610C and PCI-1612C only)

Introduction

The PCI-1610 is a four port RS-232, and PCI-1612 is a four port RS-232/422/485 PCI communication card that are compatible with the PCI 2.2 bus specification, and offer transmission speeds up to 921.6 kbps. They also support any baud rate setting, for example 500 kbps is acceptable. The PCI-1610 and PCI-1612 also come with high-performance OXuPCI954 UART with 128-byte FIFO to reduce CPU load. These components make your system more stable and reliable. Thus, the PCI-1610 and PCI-1612 are especially suitable for multitasking environments.

Both the PCI-1610 and PCI-1612 have 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 cards can protect your system from abrupt high voltages up to 2,000 voltage thanks to EFT protection technology. PCI-1610C and PCI-1612C also provide 2,500 voltage optical isolation to protect your PC and equipment against damages from ground loops in harsh environments.

Specifications

General

- Bus Type
- Certification
- Connectors
- Dimensions (L x W)
- Power Consumption

Communications

Communication Controller

- Data Bits
- Data Signals
- FIFO
- Flow Control
- IRO
- Parity
- Stop Bits
- Speed

Protection

PCI-1612B

PCI-1612C

ESD Protection 15KV EFT Protection 2.000 V Model Name Surge Protection **Isolation Protection** PCI-1610A 1000 Vpc PCI-1610B PCI-1610C $1000 \text{ V}_{\text{DC}}$ 2500 VDC PCI-1612A

1000 Vpc

1000 VDC

Software

- Bundled Software
- OS Support

ICOM Tools 32-bit/64-bit Windows 2000/XP/Vista/7, Windows CE 5.0/6.0, Linux, and QNX

Environment

- Operating Humidity 5~95% RH, non-condensing

Regulatory Approvals

EMC

EN 55011: 2009 + A1:2010, Group 1, Class A EN 55022: 2010, Class A EN 61000-6-4: 2007 EN 55024: 2010 EN 61000-6-2: 2005 IEC 61000-4-2: 2008 IEC 61000-4-3: 2006 +A1: 2007 +A2: 2010 IEC 61000-4-4: 2010 IEC 61000-4-6: 2008 IEC 61000-4-8: 2009 FCC 47 CFR Part 15 Subpart B (Class B), IC ICES-003

Ordering Information

PCI-1610A	4-port RS-232 PCI Comm. Card
PCI-1610B	4-port RS-232 PCI Comm. Card w/Surge
PCI-1610C	4-port RS-232 PCI Comm. Card w/Surge+lso
PCI-1612A	4-port RS-232/422/485 PCI Comm. Card
PCI-1612B	4-port RS-232/422/485 PCI Comm. Card w/Surge
PCI-1612C	4-port RS-232/422/485 PCI Comm. Card w/Surge+Iso
lote: this series includes cable	OPT4A

DB37 x1 to DB9 x4 Cable, 30cm

DB37 x1 to DB25 x4 Cable, 30cm

Note: this series includes caple UP14A.

Accessories

- OPT4A
 - 1700018791

AD\ANTECH **Serial Communication Cards**

185 x 100 mm (7.3" x 3.9") 180 mA @ +5 V

RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI,

RS-422: Tx+, Tx-, Rx+, Rx-, RTS+, RTS-, CTS+, CTS-

OXuPCI954

GND (PCI-1610, PCI-1612)

RS-485: Data+, Data- (PCI-1612)

None, Even, Odd, Mark and Space

50 bps ~ 921.6 kbps, any baud rate setting

230.4 kbps (PCI-1610B/C and PCI-1612B/C only)

2500 VDC

5, 6, 7, 8

(PCI-1612)

128 bytes

1.1.5.2

RTS/CTS, Xon/Xoff

Assigned by Plug & Play

Universal PCI v2.2

CE, FCC class A

1 x Female DB37