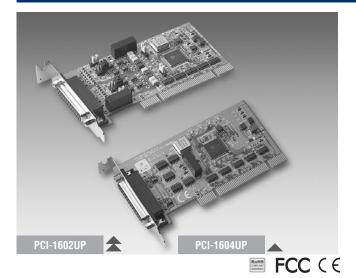
PCI-1602UP PCI-1604UP

2-port RS-422/485 Low-Profile PCI Communication Card with Isolation and EFT Surge Protection 2-port RS-232 Low-Profile PCI Communication **Card with EFT Surge Protection** PCI-1610UP/AUP 4-port RS-232 Low-Profile Universal PCI Commu-nication Card with EFT 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); • 4-port RS-232 (PCI-1610UP)
- I/O address automatically assigned by PCI Plug & Play
- OS support: Windows[®] 98/ME/2000/XP, XP Embedded, Linux
- 2,500Vpc EFT Surge Protection
- 2,500V_{DC} Isolation protection for RS-422/485 (PCI-1602UP)
- Interrupt status register for increased performance
- Space reserved for termination resistors (PCI-1602UP) •
- Automatic RS-485 data flow control (PCI-1602UP)
- Powerful and easy-to-use utility (ICOM Tools)
- Universal and Low-profile PCI (Supports 3.3 V or 5 V PCI bus signal)

Introduction

These RS-232/422/485 PCI communication cards are compatible with the PCI 2.2 bus specification for universal connectivity and low profile PCI cards. PCI-1604UP provides two independent RS-232 ports, while PCI-1602UP has two RS-422/485 ports. PCI-1610UP and PCI-1610AUP provide 4 RS-232 ports. To improve system performance, all cards allow transmission rates up to 921.6 kbps. To increase reliability, the cards offer EFT surge protection, protecting your system from abrupt high voltages up to 2,500 Vpc. High-performance 16PCI952 and 16PCI954 UARTs with 128-byte FIFO, reduces the CPU load, making the cards especially suitable for multitasking environments.

The cards follow the Low Profile PCI MD1 standard. This standard has the same protocol and electronic definition as standard PCI, but the Low Profile PCI standard is smaller. Thus, the cards are suitable for embedded systems, and size-constrained environments. Moreover, all cards are equipped with an universal PCI connector, which allows support for traditional systems with 5 V signaling or newer systems with 3.3 V signaling.

Specifications

General

- Bus Type
- Certifications
- Connectors
- Dimensions
- Power Consumption
- Power Requirement

Communications

- Communication Controller Data Bits
- Data Signals
- FIFO
- Flow Control
- IRQ
- Parity
- Speed
- Stop Bits

Protection

- ESD Protection 16 kV
- Isolation Protection 2,500 V_{DC} (PCI-1602UP)
- EFT Surge Protection
- Software
- Bundled Software
- Driver Support

Environment

- Humidity (Operating) 5 ~ 95 % RH, non-condensing (refer to IEC 68-2-3)

2,500 V_{DC} (PCI-1602UP, PCI-1604UP, PCI-1610UP)

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

Operating Temperature 0 ~ 65° C (refer to IEC 68-2-1, 2) (32 ~ 149° F)

ICOM Tools

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

Ordering Information

PCI-1602UP 2-port RS-422/485 Low-Profile Universal PCI COMM Card, w/Isolation and EFT Surge Protection (30 cm DB25 to 2DB9 cable included) 2-port RS-232 Low-Profile Universal PCI COMM Card, PCI-1604UP w/EFT Surge Protection (30 cm DB25 to 2DB9 cable included) PCI-1610UP 4-port RS-232 Low-Profile Universal PCI COMM Card, w/EFT Surge Protection (30 cm DB44 to 4DB9 cable included) PCI-1610AUP 4-port RS-232 Low-Profile Universal PCI COMM Card, (30cm DB44 to 4 DB9 cable included)

PCI-1610UP: 1 x Female DB44 PCI-1602UP and PCI-1604UP: 1 x Female DB25 119.91 x 64.41 mm (4.7" x 2.5") (Low profile MD1) 5 V @ 400 mA (Max.) 5 V PCI-1602UP, PCI-1604UP: 16PCI952

PCI-1610UP: 16PCI954 5, 6, 7, 8 RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND,

Universal PCI V 2.2

CE. FCC class A

- RI RS-422: Tx+, Tx-, Rx+, Rx-, RTS+, RTS-, CTS+, CTS-, GND RS-485: Data+, Data-, GND
- 128 bytes CTS/RTS, Xon/Xoff

None, even, odd

1, 1.5, 2

50 bps ~ 921.6 kbps

Assigned by Plug & Play