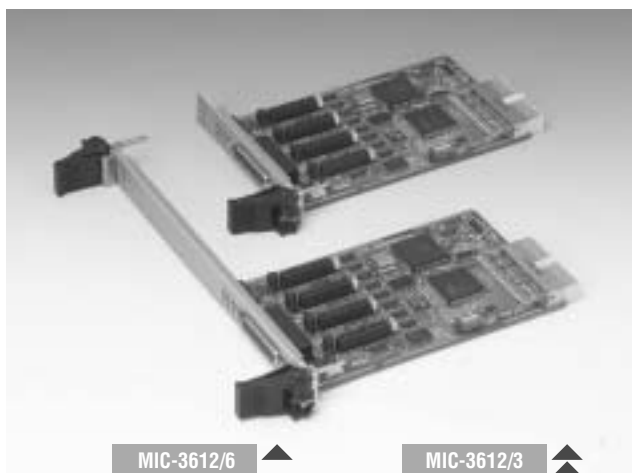


MIC-3612

4-port RS-232/422/485 Communication Card, w/Surge Protection



Features

- PCI Specification 2.1 compliant
- Speeds up to 921.6 kbps
- 4-port RS-232/422/485
- With Surge protection
- 16C954 UARTs with 128-byte standard
- Standard Industrial CompactPCI® 3U Board size
- I/O address automatically assigned by PCI Plug & Play
- OS supported: Windows® 98/2000/XP, Linux
- Interrupt status register for increased performance
- Automatic RS-485 data flow control
- Tx/Rx LED indicator

Introduction

MIC-3612 is a 4 port RS-232/422/485 PCI communication card. It is compatible with the PCI 2.1 bus specification and has four surge protected, RS-232/422/485 ports. It features functions such as high transmission speed at 921.6 kbps, four independent RS-232/422/485 ports, optional surge protection etc. The MIC-3612 also comes with high-performance 16C954 UARTs with 128-byte FIFO to reduce CPU load. These components make it more stable and reliable. Thus, the MIC-3612 is especially suitable for multitasking environments.

To improve the performance of the system, the MIC-3612 allows transmission rates up to 921.6 kbps. To further increase reliability, the MIC-3612 offers surge protection technology, protecting your system from abrupt high voltage of 2,500 V_{DC}. Besides, Advantech also provides a convenient utility program, ICOM Tools, to help users test the CompactPCI® 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, capture the communication data and monitor the signal status. ICOM Tools is applicable to all series of Advantech ICOM cards.

Specifications

Communications

- **Communication Controller** BUS controller: PLX9030
UART: 16C954
- **Data Bits** 5, 6, 7, 8
- **Data Signals** TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND
(for RS-232)
TxD, RxD, RTS, CTS (for RS-422)
DATA+, DATA- (for RS-485)
- **IRQ** All ports use the same IRQ assigned by PCI Plug & Play
- **Parity** None, even, odd
- **Speed (bps)** 50 ~ 921.6 k
- **Stop Bits** 1, 1.5, 2

General

- **PICMG Compliance** CompactPCI V2.0, R 3.0
Hot-Swap V2.1, R 2.0
- **Bus Type** CompactPCI® V2.1
- **I/O Connectors** DB 44pin female
- **Dimensions (L x H)** 160 x 100 mm (6.3" x 3.9"), 3U/6U bracket
- **Power Consumption**

	Typical	Max.
+5 V	220 mA	285 mA
+3.3 V	100 mA	200 mA
+12 V	60 mA	80 mA

- **Operating Temperature** 0 ~ 70° C (IEC68-2-1, 2)
- **Storing Temperature** -20 ~ 80° C
- **Operating Humidity** 5 ~ 95% RH, non-condensing (IEC 68-2-1, 2)

Ordering Information

- **MIC-3612/3** 3U CompactPCI® 4-port RS-232/422/485 Card, user's manual and driver CD-ROM. (30 cm DB-44 to DB-9 cable included)
- **MIC-3612/6** 6U CompactPCI® 4-port RS-232/422/485 Card, user's manual and driver CD-ROM. (30 cm DB-44 to DB-9 cable included)