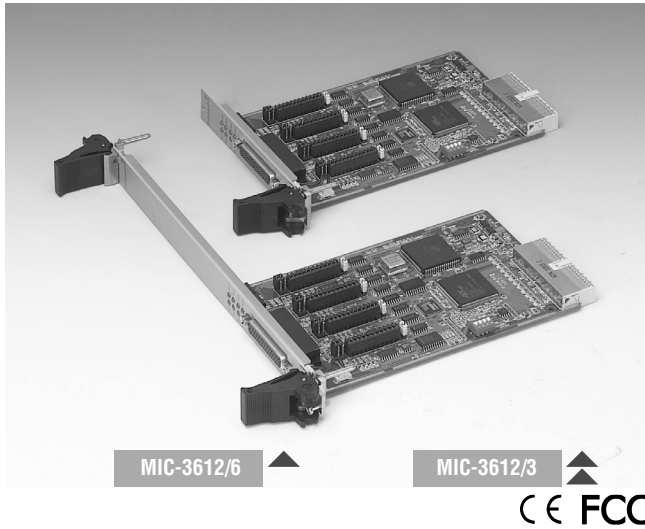


MIC-3612

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



Features

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

Introduction

The MIC-3612 is a 4 port RS-232/422/485 PCI communication module. 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 2500 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

- **Bus Interface** CPCI bus specification 2.1 compliant
- **Communication Controller** BUS controller: PLX9030
UART: 16C954
- **IRQ** 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
- **Speed (bps)** 50 ~ 921.6 K
- **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)
- **Surge Protection** 2500 V_{DC}
- **Power Consumption**

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

- **Dimensions** 160 mm (L) x 100 mm (H) (6.3" x 3.9"), 3U/6U Bracket
- **Operating Temperature** 0 ~ 70° C (IEC68-2-1, 2)
- **Operating Humidity** 5 ~ 95% relative humidity, non-condensing (IEC 68-2-1, 2)
- **Operating Humidity** 5 ~ 95% relative humidity, non-condensing (IEC 68-2-3)
- **Storage Temperature** -20 ~ 80° C

Ordering Information

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