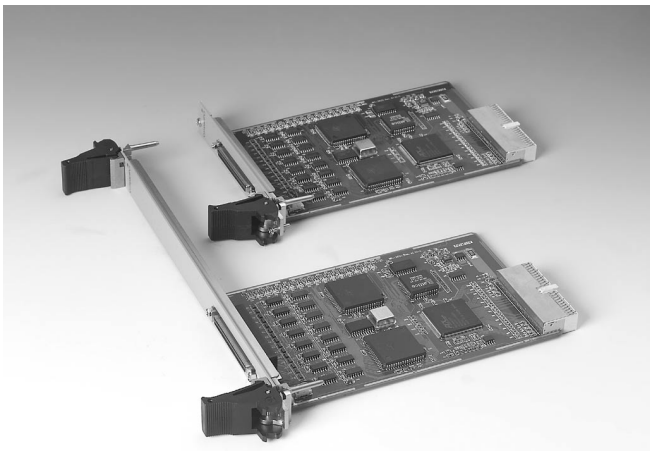
MIC-3620

8-port RS-232 Communication Module



MIC-3620/6 MIC-3620/3

CE FCC

Features

- PCI Specification 2.1 compliant
- Speeds up to 921.6 kbps
- 16C954 UARTs with 128-byte standard
- 8-port RS-232
- Standard Industrial CompactPCI® 3U Board size
- I/O address automatically assigned by PCI Plug-and-Play
- OS support: Windows 98, Windows NT, Windows2000 and WindowsXP
- Interrupt status register for increased performance
- Optional surge protection
- Space reserved for termination resistors

Introduction

The MIC-3620 is a 8 port RS-232 communication card that is compatible with the PCI 2.1 bus specification. The MIC-3620 provides eight optional surge protected RS-232 ports, and functions such as high transmission speed of 921.6 kbps, eight independent RS-232 ports, optional surge protection etc. The MIC-3620 also comes with high-performance 16PCI954 UARTs with 128-byte FIFO and 16C954 UARTs to reduce CPU load. These components increases stability and reliability. Thus, the MIC-3620 is especially suitable for multitasking environments.

To further increase reliability, The MIC-3620 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 through easy-to-use 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. In addition, ICOM Tools is applicable to all series of Advantech ICOM cards.

Specifications

- **Bus Interface** cPCI bus specification 2.1 compliant
- **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
- **Communication Controller** PCI9030 + 16C954
- **Speed (bps)** 50 ~ 921.6 K
- **Data Signals** TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND
- **Surge Protection** 2500 V_{DC}
- **Power Consumption** +5V, +3.3V, +12V
- **Dimensions (LxH)** 160 x 100 mm (6.3" x 3.9"), 3U/6U Bracket
- **Operating Temperature** 0~ 70° C (refer to 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-3620/3** 3U CompactPCI 8-port RS-232 Module, User's manual and CD-ROM. (50 cm SCSI-68 to DB-9 cable included)
- **MIC-3620/6** 6U CompactPCI 8-port RS-232 Module, User's manual and CD-ROM. (50 cm SCSI-68 to DB-9 cable included)