



Introduction

The MIC-3620 is a 8 port RS-232 communication card. It is compatible with PCI 2.1 bus specification. The MIC-3620 provides eight optional surge protection RS-232 to meet user's needs. It features lots of functions such as high transmission speed 921.6 Kbps; eight independent RS-232 ports; optional surge protection etc. The MIC-3620 also comes with high-performance 16C954 UART with 128-byte FIFO and 16C954 UART to reduce CPU load. These components make it more stable and reliable. Thus, the MIC-3620 is especially suitable for multitasking environments.

To improve the performance of the system, The MIC-3620 allows transmission rate up to 921.6 kbps. To further increase reliability, The MIC-3620 offers surge protection technology, protecting your system from abrupt high voltage 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, captures the communication data and monitors the signal status. In addition, ICOM Tools is applicable to all series of Advantech ICOM cards.

Specification

- **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

Features

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

- **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:** 160 mm x 100 mm
- **Operating Temperature:** 0° C~ 70° C (referring to IEC68-2-1, 2)
- **Operating Humidity:** 5 ~ 95% Relative Humidity, non-condensing (referring to IEC 68-2-1, 2)
- **Operating Humidity:** 5 ~ 95% Relative Humidity, non-condensing (referring to IEC 68-2-3)
- **Storage Temperature:** -20 ~ 80° C

Ordering Information

- **MIC-3620/3**
3U CompactPCI 8-port RS-232 (50 cm SCSI-68 to DB-9 cable included)
- **MIC-3620/6**
6U CompactPCI 8-port RS-232 (50 cm SCSI-68 to DB-9 cable included)

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