MIC-3621

8-Port RS-232/422/485 6U CompactPCI® Card with Surge Protection

MIC-3680

2-Port CAN-bus 3U CompactPCI® Card

MIC-3621

MIC-3680R/3   MIC-3680/3

Features

- CPCI Specification 2.1 compliant
- Speeds up to 921.6 kbps
- 16C954 UARTs with 128-byte standard
- 8-port RS-232/485/422
- Standard Industrial CompactPCI 6U Board size
- I/O address automatically assigned by PCI Plug & Play
- Interrupt status register for increased performance
- Automatic RS-485 data flow control
- OS support: Windows 2000/XP

Specifications

Communications

- **Communication Controller** BUS Controller: PCI9030 UART:16C954 Controller
- **Data Signals -** **RS-232** TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND
   RS-422 TX+, TX-, RX+, RX-, RTS+, RTS-, CTS+, CTS-, GND
   RS-485 DATA+, DATA-, GND
- **Speed (bps)** 50~921.6k
- **Data Bits** 5, 6, 7, 8
- **Stop Bits** 1, 1.5, 2
- **Parity** None, even, odd
- **IRQ** All ports use the same IRQ assigned by PCI plug & play
- **Surge Protection** 2,500 V_{DC}

General

- **PICMG Compliance** CompactPCI V2.0, R 2.1 Hot swap V2.1, R 2.0
- **Bus Type** CompactPCI bus specification 2.1 compliant
- **Hotswap Support** Yes
- **I/O Connectors** 2 x DB44 (female)
- **Dimensions (LxH)** 233.35 x 160 mm (9.19" x 6.3"), 6U Bracket
- **Power Consumption** +5V, +3.3V, +12V
- **Operating Temperature** 0~70°C (32~158°F) (refer to IEC68-2-1, 2)
- **Storage Temperature** -20~80°C (-4~176°F)
- **Storage Humidity** 5~95%, Relative Humidity, non-condensing (refer to IEC 68-1,-2,-3)

Ordering Information

- **MIC-3621RE** 6U CompactPCI 8-port RS-232/485/422 Front I/O Card and Rear I/O Support
- **MIC-3621RIOE** 6U CompactPCI Rear I/O Module for MIC-3621RE

Features

- CompactPCI specification PICMG 2.0 R3.0 compatible
- Hot swap support
- Two individual CAN ports
- Supports CAN2.0 A/B
- High speed transmission up to 1 Mbps
- 16 MHz CAN controller frequency
- Optical isolation up to 2,500 V_{DC}
- Microsoft Windows DLL library and examples included
- Supports Windows 98/2000/XP drivers and utility
- Supports Rear I/O

Specifications

Communications

- **CAN Controller Frequency** 16 MHz
- **CAN Transceiver** 82C250
- **Communication Controller** SJA-1000
- **Ports** 2
- **Protocol** CAN 2.0 A/B
- **Signal Support** CAN_H, CAN_L, GND
- **Speed (bps)** Up to 1 Mbps programmable transfer rate
- **Isolation Protection** 2,500 V_{DC}

General

- **PICMG Compliance** CompactPCI V2.0, R 3.0 Hot swap V2.1, R 2.0
- **Bus Type** CompactPCI
- **I/O Connectors** 2 x DB9-M
- **Dimensions (L x H)** 160 x 100 mm (6.3" x 3.9")
- **Power Consumption** 5 V @ 400 mA (Typical)
- **Operating Temperature** 0 ~ 65° C (32 ~ 149° F)
- **Storage Temperature** -25 ~ 85° C (-13 ~ 185° F)
- **Storage Humidity** 5 ~ 95% RH, non-condensing

Ordering Information

- **MIC-3680/3** 3U CompactPCI 2-port Isolated CAN Communication Card
- **MIC-3680R/3** 3U CompactPCI 2-port Isolated CAN Communication Card with Rear I/O Support

1 Embedded Box PC
2 Pre-configured Systems
3 Industrial Computer Chassis
4 Slot SBC & Passive Backplanes
5 Industrial Motherboards
6 Industrial Computer Peripherals
7 Server-grade IPCs
8 Fanless and Multi-functional Panel PCs
9 Industrial Tablet PCs & Handheld Terminals
10 Intelligent Video Platforms
11 CompactPCI