

CB-114

4-port RS-232/422/485 PC/104-plus Module



Features

- Data transmission speed up to 921.6 Kbps
- On-chip H/W and S/W flow control
- Built-in 15 KV ESD protection
- Serial interface is DIP switch selectable
- Onboard Tx, Rx LED indicators for each port
- Windows CE 5.0 and XP embedded operating systems supported
- Wide temperature model suitable for -40 to 85°C environments



: Overview

The CB-114 is a 4-port RS-232/422/485 PC/104-plus module that meets the embedded PC standard. The module can be used with PC/104-plus CPU boards that accept the PC/104-plus expansion interface, and optional DB9 and DB25 connection cables are available for connecting to many different devices. The CB-114's versatile driver

support makes the module suitable for a wide range of applications. All products in the series can be used on the PC/104-plus (PCI) bus and provide a reliable, high performance solution for multiport serial communications.

: Specifications

Hardware

I/O controller: MU860 (16C550C compatible)
Connector type: 40-pin box header

Interface

Bus: PC/104-plus (PCI) bus
No. of ports: 4
Max. No. of ports: 16 (4 boards)

Signals

RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
RS-422: TxD+(B), TxD-(A), RxD+(B), RxD-(A), GND
4-wire RS-485: TxD+(B), TxD-(A), RxD+(B), RxD-(A), GND
2-wire RS-485: Data+(B), Data-(A), GND

Performance

Baudrate: 50 bps to 921.6 Kbps

Configuration

Parity: None, Even, Odd, Space, Mark

Data Bits: 5, 6, 7, 8

Stop Bit(s): 1, 1.5, 2

I/O address/IRQ: BIOS assigned

FIFO: 128 bytes

DIP Switches: For Serial Interface.

OS Driver Support: DOS, Windows 2000/XP/2003, Windows XP Embedded, Windows CE 5.0, Linux 2.4, Linux 2.6

Power and Environment

Operating Temperature: 0 to 55°C (32 to 131°F),
 -40 to 85°C (-40 to 185°F) for "-T" models

Operating Humidity: 5 to 95% RH

Storage Temperature: -40 to 85°C (-40 to 185°F)

ESD Protection: Embedded 15 KV ESD protection

Dimensions (W x D): 96 x 90 mm

Regulatory Approvals

EN55022 Class A, EN55024, EN6100-3-2, EN61000-3-3, FCC Part 15 Class A

Warranty: 5 years

: Ordering Information

CB-114: PC/104-plus bus, 4-port RS-232/422/485 module

CB-114-T: PC/104-plus bus, 4-port RS-232/422/485 module, -40 to 85°C operating temperature

Optional Accessories (choose one per board)

CBL-F40M9x4-50: 40-pin box header to 4-port male DB9 connection cable

CBL-F40M25x4-50: 40-pin box header to 4-port male DB25 connection cable

Package Checklist

- Document and Software CD-ROM
- Quick Installation Guide