

Industio CT-114I

3 in 1 Multiport Serial Board for CompactPCI

Overview

The Industio CT-114I is a world leading multiport serial board for 32-bit CompactPCI system. The CT-114I supports all three serial interfaces, RS-232 and RS-422/485, in one board. With this versatile design, the CT-114I can control different kinds of serial devices such as modems, CNCs and other industrial machines without the need to use interface converters.

The CT-114I is designed to the CompactPCI standard in Eurocard 3U size. The CompactPCI standard is electrically identical to the PCI bus but has been enhanced to support more rugged industrial environments.

Features

- Support all three serial interfaces in one board (2 ports for RS-232, 2 ports for RS-232 or RS-422/485)
- Support Automatic Data Direction Control (ADDC) intelligence to simplify the RS-485 software programming
- Built-in termination resistors already installed one-board, no headache for impedance matching
- ASIC design, low failure rate
- On-chip hardware flow control, no data loss
- Support 2-wire RS-485 half-duplex operation
- TxD/RxD LEDs for easy monitoring
- Compatible with PC standard COM ports
- Support optical isolation, max. 2KV (RS-422/485)



CT-114I

Applications

- Industrial automation
- Test & measurement system
- Medical equipment data collection
- Environment monitoring system

Port	2	4	8	16	32
Interface	232	422	485		

Specification

Hardware

I/O controller	16C550C or compatible x 4
Connector type	DB44 to male DB9

Interface

Bus interface	CompactPCI ver. 2.1(32 bit)
Serial interface	RS-232, RS-422/485
No. of port	2 (RS-232), 2 (RS-232 or RS-422/485)
Signals	RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND RS-422: TxD+/-, RxD+/-, RTS+/-, CTS+/-, GND RS-485: Data+/-, GND

Performance

Speed	50 ~ 921.6K bps
Max. no. of port	16 (4 boards)

Configuration

Parity	None, even, odd, space, mark
Data bits	5, 6, 7, 8
Stop bits	1, 1.5, 2
IRQ	Assigned by BIOS
I/O address	Assigned by BIOS

OS supported

CT-114I	Windows 2000, Windows NT, Windows 95/98, DOS
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Power and Environment

Power requirement	700mA max.(+5V), 100mA max. (+12V), 120mA max. (-12V)
Operating temp.	0 ~ 55°C
Dimension	100mmx 160mm(3U)
Optical isolation	RS-232: N/A RS-422: 2KV RS-485: 2KV

Ordering Information

CT-114I	<ul style="list-style-type: none"> • 4 ports RS-232, RS-422/485 board • Windows NT and Windows 95/98 drivers and manual • Cable (DB44 to DB9 x 4 connectors) • MOXA PComm Lite serial comm developing tool
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