



# CPCI-ASIO4

## 4 Serial Interfaces

- RS-232, RS-422, RS-485 or TTY
- Opto-isolated
- Support for Linux, VxWorks, Windows XP and QNX6

### Opto-Isolated Serial Interfaces

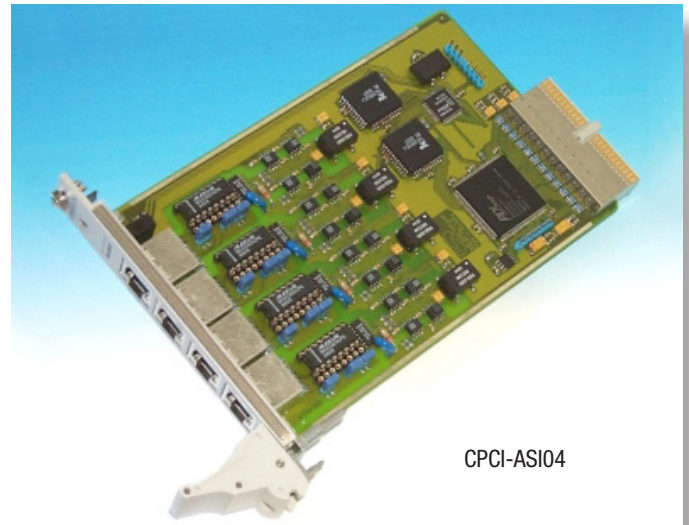
The module CPCI-ASIO4 is a CompactPCI board in Euro format with four serial interfaces opto-isolated against the CPCI bus and each other. The board is equipped with two DUARTs XR16C2852 that are compatible to the popular ST16C2552 allowing control by standard operating system drivers for serial interfaces (i.e. Linux and VxWorks)

### Versatile Interface Design

Piggybacks at the four interfaces allow realization of your application-specific requirements for a serial interface. You can choose between RS-232 (with hardware handshake), RS-422, RS-482 or TTY (which runs in passive or active mode, but in the active mode, the four interfaces loose the opto-isolation because of the common power supply for the interfaces). One CPCI-AS104 allows combining of the different interface types with the connection of the interfaces at the front panel by RJ45 connectors. LEDs display the actual state of each interface.

### Software Support

The board runs with the standard system serial drivers of Linux and VxWorks. For Windows XP and QNX6 there are special drivers available upon request.



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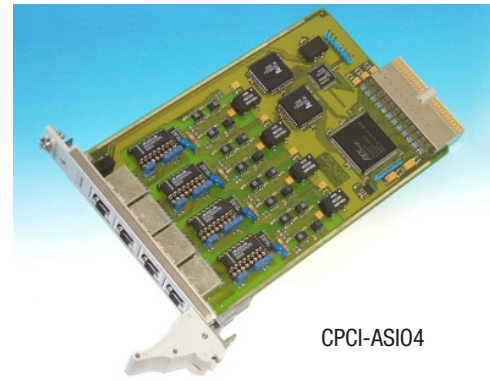
For further information please visit  
<http://www.esd-electronics-usa.com/CompactPCI.html>

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challenge

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### Technical Specifications

CompactPCI connection	
Interface	According to CPCI specification, Rev. 2.0
PCI-Bridge	PCI9030
Serial interfaces	
Number of channels	4
Serial controller	2x DUART XR16C2852
Interface types	RS-232 (hardware handshake)
	RS-422
	RS-485
	TTY-passive
	TTY-active (no opto-isolation)
Electrical isolation	By optocouplers between serial interfaces and DUARTs and between each other
Bitrates	Up to 115,2 kbit/s
General	
Ambient temperature	0...50o C
Humidity	Max. 90 %, non-condensing
Operating voltage	Nominal 5 V(DC), 3.3 V (DC), ± 12V (if TTY-active is required)
Connectors	4x RJ45
Status LEDs	4 LEDs for the state of serial interfaces

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### Order Information

Designation	order no.	
CPCI-ASIO4	4 serial interfaces, RS-232	I.2307.02
Instead of RS-232 add with (specify in order):		
	RS-422 adaptor	V.1930.02
	RS-485 adaptor	V.1930.04
	TTY-20mA passive	V.1930.06
	TTY-20mA active	V.1930.08
Manual		
CPCI-ASIO4-ME	English manual	I.2307.21

