W&T connects

Interfaces for TCP/IP, Ethernet, RS-232, RS-485, USB, 20mA,
glass and plastic fiber optic cable, http, SNMP, OPC, Modbus TCP, I/O digital, I/O analog, ISA, PCI

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Data sheet:

CompactPCI card 2x RS232 / RS422 / RS485

Article no.: 13621

Unfortunately, this article is no longer available.

CompactPCI system controls RS485 bus system

Properties

General information

- Upgrading of CompactPCI systems with RS232 / RS422 and RS485 interfaces

- 1kV electrical isolation to the PC and between the ports

- connector-compatible to all W&T PC card ranges

- for 5 V cPCI slots

- PCI UART 16950 with 128 byte FIFO

- Software-compatible to W&T standard PCI cards

- Plug-and-play: automatic configuration of base address and interrupt

- Includes drivers for Windows 95/98, NT4.0, 2000, XP and Vista

- **Conforms to standards both in office and industrial environments:**
    - High noise resistance per EN 61000-6-2
    - Low noise emission per EN 55032:2015 + A1 Cl. B, EN 61000-3-2 & EN 61000-3-3

Background information:

Since the mid-1990s, the PCI bus has developed to become the standard bus of state-of-the-art PCs. With the development of the CompactPCI standard which combines the electrical features of the PCI bus with the mechanics of the long-standing and well-proven 19" world, this tried and tested bus system can also be deployed in the industrial environment.

W&T converted all serial standard PCI cards to the CompactPCI format in such a way that no differences in using the cards are noticeable by users who switch from one PC world to the other. Independently of the relevant PC bus being used (ISA, PCI or CompactPCI), all W&T PC card ranges have an identical design with a subdivision into bus-specific elements and modular interface electronics. In that way, it is ensured for all bus systems that the peripherals can always be connected with the same cables and without exotic adapters or adjustments.

The realization of the cards with discrete interface modules also enables various different interface models (RS-232, RS-422, RS-485 or 20 mA) to be realized on a single board. This feature guarantees the optimum utilization of the in most cases small number of available slots in CompactPCI systems.

Technical data

Number of ports:	2 galvanically isolated RS232/RS422/RS485 ports
Operating modes:	RS422
	RS485 2/4 wire with handshake control
	RS485 2/4 wire with automatic control

Switching time:	approx. 10µs for switching from data send to receive for RS485 automatic control (can be changed on request)
UART:	16950 with 128-byte FIFO
Base addresses:	automatic configuration
Interrupts:	automatic configuration
Baud rate:	RS232: 50..230,400 baud RS422 / RS485: 50..460,800 baud
Data format:	any format
Signals:	RS232: RxD, TxD, RTS, CTS, DSR, DTR, DCD,RI RS422 / RS485: RxD A / B, TxD A / B CTS A / B, DTR A / B
Serial connections:	9-pin SUB-D connector
Galvanic isolation:	Isolation voltage min. 1 KV DC between PC and serial ports
Power supply:	+5V 0.2A, +12V 0.1A
Ambient temperature:	Storage: -40..+70°C, Operation: 0..+70°C
Permissible relative humidity:	0..95% RH (non-condensing)
Dimensions:	160 x 100 mm (3HU)
Weight:	approx. 170 g
Scope of delivery:	CompactPCI card 2x RS232 / RS422 / RS485 Driver CD

Data Privacy