

Data sheet:

PCI card 2x 20mA, 1kV isolated



Article no.: 13411

EUR 238.00

*Net price for commercial users

Two additional TTY ports with galvanic isolation

The PC Card 13411 adds to independent 20mA ports with galvanic isolation to your PC. Any two non-isolated serial interfaces can be implemented using the additional TTL ports.

Properties

Interfaces:

- **2x 20mA interface**
- **2x serial TTL interface without galvanic isolation**
 - usable with W&T interface modules as RS232, RS422, RS485 or 20mA interfaces
- **1x 32-bit PCI bus**
 - for [5V PCI systems](#)
 - Cards for [3.3V PCI systems on request](#)
- **Galvanic isolation between PC, Port 1 and Port 2**
 - Isolation voltage 1kV

Management and connectivity:

- **4 x UART 16950 with 128-byte FIFO**
- **Plug-and-play: automatic configuration of base address and interrupt**
- **Driver support for:**
 - [Windows Desktop: NT, 2000, XP, Vista, 7, 8, 10, 11](#)
 - [Windows Server: 2003, 2008, 2008R2, 2012, 2016, 2019, 2022](#)
 - Linux: Ubuntu, Suse, Debian,

Standards & more

- **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
- **5 year guarantee**



Wish for something!

[Your suggestions for improvement and additions](#)

Worth knowing

In addition to the nominal interfaces, all serial W&T PCI cards provide additional serial TTL ports which can use interface modules to be converted into a standard port of any type.

These optional ports do not however have galvanic isolation between each other or to the PC.

The additional interface modules are connected to the interface card using flat cable and attached to a slot bracket in the PC

housing. Both components can be ordered from W&T as a separate accessory.

Technical data

Connections and displays:

System bus:	32-bit PCI bus / 33MHz / Universal Voltage
Serial port:	2x 20mA interface 9-pin SUB-D adapter 2x non-isolated serial TTL ports 12-pin header with 2mm spacing
Operating modes:	20mA selectable active/passive mode
Maximum baud rate:	57600 baud
Data format:	any format
Signals:	RxD, TxD
Handshake:	No, Xon/Xoff
UART:	16950 with 128-byte FIFO
Galvanic isolation:	Isolation voltage min. 1kV DC between PC and the serial ports 1 and 2
Supply voltage:	5V DC, 12V DC
Current consumption:	typ. 200mA @ 5V typ. 100mA @ 12V

Housing and other data:

Dimensions:	134 x 120mm (W x H)
Enclosure rating:	IP00
Weight:	approx. 105g
Ambient temperature:	Storage: -40..+70°C Operating: 0..+70°C
Permissible relative humidity:	5..95% RH, non-condensing
Scope of delivery:	PCI Card 2x 20mA Quick start manual product CD with manual, German/English

Accessories

*Net unit price for
commercial users

Additive modules

RS232/RS422/RS485 interface module, 5V technology	18813	55.00€	
RS232 DTE interface module	18811	41.00€	
20mA interface module (5V and 12V)	18411	55.00€	
RS422/RS485 interface module	18611	55.00€	
Profibus interface module	18612	49.00€	

Mechanical Accessories

Port 3/4 additional slot plate with cable	13013	17.00€	
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* Our offering is intended only for commercial users. We will be happy to refer private end customers to trading partners through whom our products can be purchased.

[We are available to you in person:](#)

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