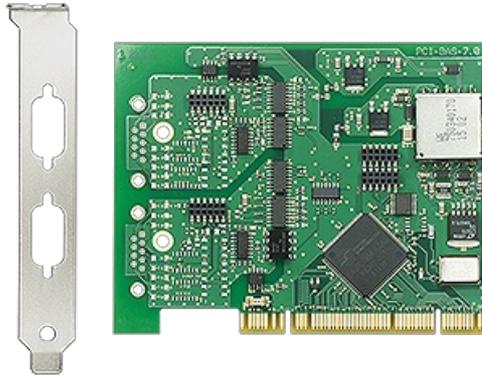


Data sheet:

Serial PCI base board, 1kV isolated



Article no.: 13011

EUR 188.00

*Net price for commercial users

Four additional serial ports for stationary PCs

The 13011 PCI Baseboard together with W&T interface modules adds two isolated and two non-isolated serial ports to your PC. The respective interface type can be freely selected by using the appropriate interface module. This makes it possible to equip your PC with different interfaces without having to use multiple cards.

Properties

Interfaces:

- **2x serial TTL interfaces with galvanic isolation**
- **2x serial TTL interfaces without galvanic isolation**
- **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:

- **20mA, RS232, RS422, RS485 and profibus can be combined on one card**
- **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

There are many cases where it is necessary to equip the ports of an interface card with different port models. It may for example be necessary to use COM1 as a 20mA programming interface for a PLC, as the software used only supports this port, while COM2 is connected to an RS232 terminal device.

For such requirements, W&T provides a very smart solution without any need for additional external hardware. The module concept of the serial W&T PC cards allow you to freely select the interface model, as the PC card mainboard is equipped

with pluggable modules that convert the internal TTL signals into interface signals.

The combined interface cards are supplied fully configured according to your specifications and are ready for installation. You can change a built-in port at any time by simply replacing the interface module.

Technical data

Connections and displays:

System bus:	32-bit PCI bus / 33MHz / Universal Voltage
Serial port:	2x galvanically isolated slots for interface modules 2x non-isolated serial TTL ports 12-pin header with 2mm spacing
Operating modes:	Different interface types possible
Maximum baud rate:	460.800 baud
Data format:	any format
Signals:	RxD,TxD,RTS,CTS,DSR,DCD,DTR,RI
Handshake:	No, RTS/CTS, 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:	serial PCI base board slot plate 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:](#)

Wiesemann & Theis GmbH
Porschestra. 12
42279 Wuppertal
Phone: +49 202/2680-110 (Mon.-Fri. 8 a.m. to 5 p.m.)
Fax: +49 202/2680-265
info@wut.de

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