

Data sheet:

## Serial ISA - Basic board, 1kV isolated



Article no.: 13001

**EUR 208.00**

\*Net price for commercial users

### Two mixed serial ports for older PCs

The 13001 Baseboard used together with W&T interface modules adds two isolated serial ports to your older ISA 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 TTL interface**
- **1x 16-bit ISA bus**
- **Galvanic isolation between PC and Ports 1 and 2**
  - Isolation voltage 1kV

#### Management and connectivity:

- **20mA, RS232, RS422, RS485 and profibus can be combined on one card**
- **Manual configuration by means of DIL switch**
- **Flexible configuration**
  - Standard base addresses COM1-COM4
  - custom base addresses possible
  - Interrupts IRQ3-IRQ7, IRQ9-IRQ12
- **UART 16550 with FIFO**
- **Software compatible with standard RS232 cards**
- **No additional driver software required**

#### 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:	16 Bit ISA-Bus / 8.33MHz
Serial port:	2x slots for interface modules 12-pin header connector with 2mm spacing
Operating modes:	Different interface types possible
Maximum baud rate:	115.200 kbaud
Data format:	any format
Signals:	RxD, TxD, RTS, CTS, DSR, DCD, DTR, RI
Handshake:	No, RTS/CTS, Xon/Xoff
UART:	16550 with FIFO
Base addresses:	03F8H, 02F8H, 03E8H, 02E8H
Interrupts:	IRQ 3..7, IRQ 9..12
Galvanic isolation:	Isolation voltage min. 1kV DC between PC and serial ports
Supply voltage:	5V DC, 12V DC
Current consumption:	Varies with the serial module used

### Housing and other data:

Dimensions:	145 x 120mm (W x H)
Enclosure rating:	IP00
Weight:	approx. 90g
Ambient temperature:	Storage: -40..+70°C Operating: 0..+70°C
Permissible relative humidity:	5..95% RH, non-condensing
Scope of delivery:	serial ISA mainboard Manual

---

## 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€	

\* 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

© Wiesemann & Theis GmbH, subject to mistakes and changes: Since we can make mistakes, none of our statements should be applied without verification. Please let us know of any errors or misunderstandings you find so that we can become aware of and eliminate them.

[Data Privacy](#)