

Data sheet:

Serial ISA - Basic board, 1kV isolated



Article no.: 13001

EUR 148.00

*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 for industrial environments
 - Low noise emission for residential and business areas
- **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 product CD with manual, German/English

Accessories

*Net unit price for
commercial users

Additive modules

RS232/RS422/RS485 interface module, 5V technology	18813	49.00€	
RS232 DTE interface module	18811	34.77€	
20mA interface module (5V and 12V)	18411	49.00€	
RS422/RS485 interface module	18611	49.00€	
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:

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