

Data sheet:

RS232 Universal Serial T-Switch



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Manual 

Connecting three serial terminal devices

The Universal Serial T-Switch enables practically any imaginable uni- or bi-directional connection of three serial terminal devices. The T-switch has three serial terminals, each of which can be freely configured.

Properties

Interfaces:

- **3x RS232/422/485, 9-pin SUB-D connector**

Management and connectivity:

- **Operating modes:**
 - Changeover using control sequences:
 - 1 computer runs for example two serial devices
 - time-controlled switching with adjustable switch time:
 - 2 computers share for example one serial terminal device:
 - Printer, plotter, hand scanner, card reader, etc...
- **No manual intervention necessary**
- **Data back channel allows connection of bi-directional peripheral devices**
- **Individual configuration of interfaces**
- **Conversion of baud rate, data format and handshake protocol possible**
- **Integrated diagnostic and startup aid: Setting dump**

Power supply:

- **External power**
 - Wide voltage range up to 24V

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

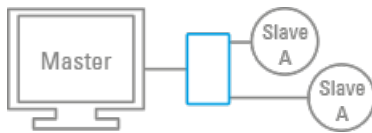
Worth knowing

Notes on use:

The W&T RS232 Universal Serial T-Switch is an extremely versatile device. Virtually any uni- or bi-directional 2:1 coupling of RS232 devices is possible with this switch.

The Adapter has 3 serial ports: 1 Master port "C" and 2 Slave ports "A" and "B". Each of these ports can be parameterised independently of the others.

The Switch supports 4 data channels (Master C <-> Slave A, Master C <-> B), which are equipped in each direction with 1 MB buffers. The channels are switched either timed or using control sequences from one of the three Switch ports.



Technical data

Connections and displays:

Serial ports:	3x RS232/422/485 (Port A, B and C: plug) all ports can be configured independently of each other
Supported signals:	RxD, TxD, CTS, DTR
Baud rate:	150..115,200 baud
Data format:	7,8 data bits, no,even,odd parity
Flow control:	Hardware handshake or XON/XOFF protocol
Integrated buffer:	4 MB
Operating modes:	Switching via control sequence time-controlled switching
Switching times:	Adjustable in increments of 5, 15, 30, 120 seconds (other values on request)
Power supply:	12..24V DC/AC
Current consumption:	Typ. 30 mA at 24V DC
Supply voltage connection:	Plug-in screw terminal, 5.08mm spacing Labeled "L+" and "M"

Housing and other data:

Housing:	Plastic housing, 105 x 75 x 45mm
Weight:	approx. 150g
Ambient temperature:	Storage: -40..+70°C, Operation: 0..+60°C
Permissible relative humidity:	0..95% RH (non-condensing)
Scope of delivery:	1 x Universal Serial T-Switch, 4 MByte Buffer



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