Relay M-BUS SOLUTIONS

TCP/IP CONVERTER

MASTER
SLAVES
ACCESSORIES
SOFTWARE

SERIAL DEVICE SERVER FOR ETHERNET

- ⊙ Connects serial devices to the Ethernet

- ⊙ For M-Bus Level Converters and Centrals

- ⊙ Converts 10/100 BaseT to RS232

- ⊙ RS232: independent protocol / transparent

- ⊙ Also available as WiFi- Version

- ⊙ Go on using your RS232-software

- ⊙ Configuration via software / web browser

- ⊙ Windows driver for virtual COM-Port

Serial Device Server

The Serial Device Server allows the connection of our level converters and dataloggers with RS232C interface to the 10/100 BaseT Ethernet in the easiest way. The converter is simply connected to the serial interface of the device and integrated into the LAN (Local Area Network). This allows you to access the M-Bus meters from several PCs on the network. When using our M-Bus dataloggers, it is also possible to read the consumption data via the internet. The Serial Device Server is especially suitable for reading M-Bus data. An included Windows driver emulates a virtual, serial port on the PC and transfers the data through the network. This allows you to keep on using your serial PC software for communication.

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Functionality of the converter

The Serial Device Server converts the physical interface Ethernet 10BaseT to RS232C and the protocol TCP/IP to the serial V24 protocol. This makes an easiest integration of our M-Bus Level Converters and Centrals into the Ethernet possible. You can also access the M-Bus meter from several network PC´s without problems. After installation of the driver at the PC you can furthermore use your existing software for RS232C interfaces. This driver simulates a virtual serial COM port in Windows. Our software FService also supports a direct readout of our intelligent centrals and dataloggers by TCP/IP protocol without use of the driver. The TCP/IP supports either a fully occupied RS232 channel or 3 channels limited to RX, TX.

Software features

Transport protocols:	TCP/IP, UDP/IP, ARP, ICMP (ping)
Routing modes:	Slave, Master
RS232C:	150..115200 Baud

Included software

1. Virtual Serial Port Manager to create any number of additional, virtual COM ports
2. Device-Server Manager to edit the settings of the converters via the network
3. Connection Wizard for easiest installation
4. Virtual Serial Port Monitor to log the data of the serial ports

Technical Data

Ethernet connector	10/100 Base T (RJ45, auto-MDX)
Serial connector:	RS232C, DB9 male plug 1-Channel: RX, TX, RTS, CTS, DSR, DTR 3-Channel: RX1, TX1, RX2, TX2, RX3, TX3
Power supply	9 .. 18 VDC, 150mA at 12V
LED displays	2 LED's for operating status 1 LED for ethernet link
Operating temperature	-5 .. 55°C
Operating humidity	10-90 %, non condensing
Housing	W x L x H = 48 x 90 x 25 mm
Mounting	Rail or wall mounting kit
Gewicht	55g
Lieferumfang	Plug-In supply 12VDC, 500mA, Euro connector (230VAC, 50Hz) Patch cable CAT.5E FTP, length: 1m , light-grey RS232C cable 9 pin, male - female, 1:1 (suited for M-Bus) CD with driver and installation manual

Order information

Order number	Description
TCP001	Serial Device Server with driver software Plug-In power supply, Patch cable and RS232C cable for M-Bus
TCP002	WiFi version of the Serial Device Server

Accessories

TBA DSUB	Adapter DSub - screw terminals for 3 channel use
FSERVICE	Readout software for Relay datenloggers (Freeware)
MBSHEET	Readout software for level converters

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