



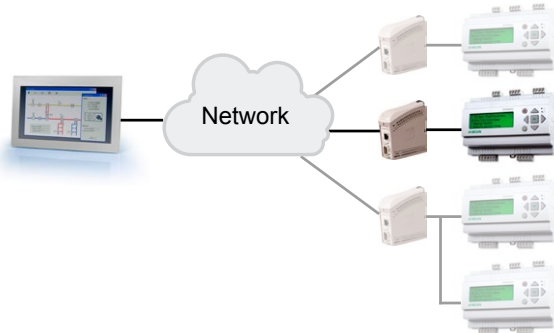
# ConverterTCP

## Serial adapter for RS485 to TCP for Modbus

ConverterTCP makes it possible to use Modbus communication via TCP/IP for Regio products.

- Easy to install
- Converts Modbus RS485 to TCP/IP

ConverterTCP is a serial adapter intended for Modbus communication via TCP/IP. It fulfils high demands on reliability and functionality in environments where interference is plentiful. The product makes it possible to connect up to 247 Modbus Slaves. Several Corrigos can be connected to the same ConverterTCP, and 16 master units connected to the same network.



### Application modes

ConverterTCP can be used for two application modes:

1. Client: The slaves are placed on the TCP/IP loop. "Gateway mode" is set to Client under *Modbus Configuration*.
2. Server: The slaves are placed on the RS-485 loop. "Gateway mode" is set to Server under *Modbus Configuration*.

In both modes, "Serial Mode RTU" is used.

- For individual units or the entire network
- Use with Corrigo, EXOcompact, EXOflex, Regio and others

### Settings

All settings are made by logging into the IP-address stated below, either via the web tool or via a web browser. The converter should be connected to the computer via a network cable. When initially connecting, the following presets are used:

Default IP-address: 169.254.100.100

Default user name: edw100

Default password: edw100

"Mode" should be set as *Modbus Gateway* in order to function as a gateway between TCP Modbus and serial Modbus.

Under *Serial*, Interface should be set as RS-422/485 2-wire. Speed, parity and stop bits for the serial network are also set here.

Under *Network* is set what IP address the gateway is to receive. Under *Modbus*, the application mode is set.

Additional information on configuration is available through the producer manual, Model EDW100, available via [www.westermo.com](http://www.westermo.com).

### Supply voltage

ConverterTCP should be powered by 10-60V DC. A power supply unit is not included on delivery.

**Technical data**

Working voltage	10...60V DC
Rated current	125mA at 24V DC
Connection	Lift type terminal
Mounting	DIN rail
Dimensions (WxHxD)	35 x 121 x 121 mm
Humidity	5...95% RH, not condensating
Working temperature	-25...+70°C
Storage temperature	-40...+70°C
Insulation	
Supply and ports	3000 V
Between ports	1500 Vrms
Speed	0.3...115.2 kbit/s

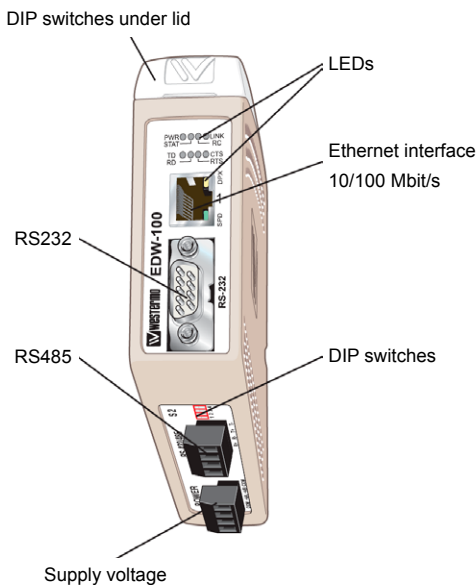


This product carries the CE mark. For declaration of conformity, please see manufacturer's home page, [www.westermo.com](http://www.westermo.com). Model EDW100.

**Indicators**

LED	Status	Description
PWR Power	OFF	Power off
	ON	Power on
TD Transmit data	OFF	Unit not transmitting serial data (RS232 or RS422/RS485)
	ON	Unit is transmitting serial data (RS232 or RS422/RS485)
RD Receive data	OFF	Unit not receiving serial data (RS232 or RS422/RS485)
	ON	Unit is receiving serial data (RS232 or RS422/RS485)

**Installation and wiring**



ConverterTCP can be installed on a DIN rail and features two communication ports; one RS485 port and a TCP/IP port.

RS485 port:

ConverterTCP	EXOline port
T+, terminal 3	A
T-, terminal 4	B

TCP/IP port: This port is connected via a network cable (ethernet, RJ45). A CAT 5 cable is recommended.

The supply voltage should be connected between terminal 1 and 2, with the positive connected to 2 (+VA) and the negative to 1 (common).

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