

Data Sheet | Item Number: 879-9000

Communication module; Modbus TCP

<https://www.wago.com/879-9000>



WAGO's communication module extends the WAGO Energy Meters and other Modbus RTU slaves with ETHERNET access. The Modbus TCP Module's design is based on the 879 Series Energy Meters and has the same profile as these. There are various options for connecting the communication module to the energy meters:

1. Connection to the energy meter via UART interface (one communication module per energy meter)
2. Connection via RS-485 interface (up to 32 generic Modbus® slaves)

Features:

- Communication module snaps onto WAGO's energy meter
- Modbus TCP
- Direct connection to the energy meters via RS-232 lateral UART interface
- RS-485 interface for connecting up to 32 generic Modbus RTU slaves
- Configuration via configuration software or Modbus® function codes
- Maximum number of permitted Modbus TCP connections: 4

Technical data

Input

Nominal input voltage U_{nom} DC 5 V (SELV)

Signaling and communication

Communication Modbus (TCP)
RS-232/-485 Interface

Configuration options Configuration software

Baud rate ETHERNET: Twisted Pair S-UTP; 100 Ω;
Cat. 5: 100 MBd (ETHERNET: 10/100
Mbit/s)

Connection data

Connection type 1	Modbus TCP/UDP
Connection technology	RJ-45
Connection technology 2	RS-485
WAGO connector 2	WAGO 2604 Series
Connection type 3	UART
Connection technology 3	Male connector; 4-pole

Physical data

Width	17 mm / 0.67 inches
Height	140 mm / 5.51 inches
Depth	60 mm / 2.36 inches
Note (dimensions)	Height without cover: 92 mm

Mechanical data

Mounting type	DIN-35 rail
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Material data

Fire load	0 MJ
Weight	74 g

Standards and specifications

Conformity marking	CE
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Commercial data

PU (SPU)	1 pcs
Country of origin	CN
Customs tariff number	8517620000

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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