



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 $U_{i, nom}$	5 VDC (SELV)

Signaling and Communication	
Communications	Modbus (TCP) RS-232/-485 Interface
Configuration options	Configuration software
Transmission rate	ETHERNET: Twisted Pair S-UTP; 100 Ω; Cat. 5: 100 MBd (ETHERNET: 10/100 Mbit/s)

Connection Data

Connection 1

Connection type	Modbus TCP/UDP
Connection technology	RJ-45

Connection 2

WAGO connector	WAGO 2604 Series
Connection technology	RS-485

Connection 3

Connection type	UART
Connection technology	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
Packaging type	Box
Country of origin	CN
Customs tariff number	85176200000

Product Classification

UNSPSC	43222605
ETIM 9.0	EC002498
ETIM 10.0	EC002498
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 879-9000

Documentation

Instruction Leaflet			
Kommunikationsmodul; MODBUS TCP	V 1.00 10.10.2023	pdf 412.73 KB	

CAD/CAE-Data

CAD data	
2D/3D Models 879-9000	

Engineering-Software

Configuration and Commissioning Software			
WAGO TCP/IP Module Configurator	1.0.0.48 20.09.2023	zip 234.95 KB	

1 Compatible Products

1.1 Optional Accessories

1.1.1 Communication

1.1.1.1 Energy Meter



Item No.: 879-3021
Energy meter (MID); for direct connection; 65A; 3x230/400V; 50Hz; MID and METAS; Modbus® and M-Bus; 2 x S0 interface; 4PS

Item No.: 879-3020
Energy meter (MID); for direct connection; 65A; 3x230/400V; 50Hz; Modbus® and M-Bus; 2 x S0 interface; 4PS

Item No.: 879-3000
Energy meter (MID24); for direct connection; 65A; 3x230/400V; 50Hz; Modbus® and M-Bus; 2 x S0 interface; 4PU

Item No.: 879-3001
Energy meter (MID25); for direct connection; 65A; 3x230/400V; 50Hz; MID and METAS; Modbus® and M-Bus; 2 x S0 interface; 4PU

1.1.1.1 Energy Meter



Item No.: 879-3040

Energy meter (MID25); for transformer connection; 1 A / 5 A; 3x230/400V; 50Hz; Modbus® and M-Bus; 2 x S0 interface; 2PU CT

1.1.2 Power supply

1.1.2.1 DC/DC Converter



Item No.: 787-2801

DC/DC Converter; 24 VDC input voltage; 5 VDC output voltage; 0.5 A output current; DC OK contact

1.1.2.2 Power Supply



Item No.: 787-1020

Switched-mode power supply; Compact; 1-phase; 5 VDC output voltage; 5.5 A output current; DC OK signal

1.1.2.3 Supply module



Item No.: 750-623

Power Supply; 24 V/5 ... 15 VDC