



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 |
|---------------|-------------|

Material data

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|-----------|------|
| Fire load | 0 MJ |
| Weight | 74 g |

Standards and specifications

| | |
|--------------------|----|
| Conformity marking | CE |
|--------------------|----|

Commercial data

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|-----------------------|-------------|
| PU (SPU) | 1 pcs |
| Packaging type | Box |
| Country of origin | CN |
| Customs tariff number | 85176200000 |

Product classification

| | |
|----------|----------------------|
| UNSPSC | 43222605 |
| ETIM 9.0 | EC002498 |
| ETIM 8.0 | EC002498 |
| ECCN | NO US CLASSIFICATION |

Environmental Product Compliance

| | |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

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