



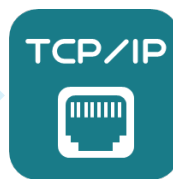
COM300



Ethernet TCP/IP
communication module
for MCS301 meter



BLUE² comm



COM300

Ethernet TCP/IP communication
module for MCS301 meter

- ✓ Exchangeable module for the MCS301 meter
- ✓ Transparent TCP/IP module supports: DLMS/COSEM and/or EN62056-21 protocol
- ✓ Automatic NTP server meter time/date synchronization
- ✓ Local or remote FW upgrade
- ✓ Configuration done through Blue²Link software
- ✓ Master RS-485 interface (Option)
- ✓ Pull mode support:
 - ✓ Fixed IP, up to 5 parallel TCP ports
- ✓ Push mode support:
 - ✓ Up to 6 push targets using: TCP/IP Server, FTP, UDP, SMS or SMTP(eMail)
 - ✓ Push setup lists: For every push target a separate objects list can be defined using COSEM or EN62056-21 format
 - ✓ Push triggers:
 - ✓ 3 different scheduler
 - ✓ Push on alarm
 - ✓ Push on connectivity
 - ✓ Push on installation
 - ✓ Push activated by input of the meter

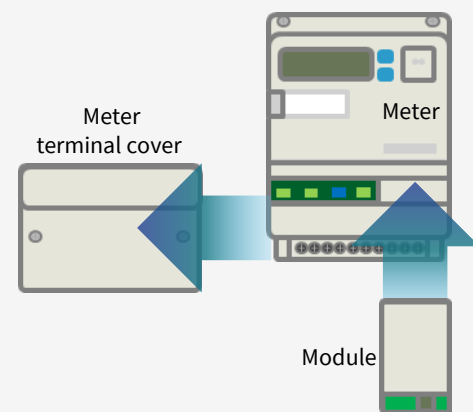
Technical Specification

Power supply	powered by the meter	≤1W
Display	Using meter LCD	IP status in LCD Antenna symbol: network connected Antenna symbol + 4 bars: IP assigned
Frequency		50 - 60 Hz
Temperature / Environmental influences	Operation	- 30°C ... +70°C
	Storage	- 30°C ... +85°C
	Humidity	95% rel. humidity, non-condensing
Electro-magnetic Compatibility	Security	EN 60950-1
	Noise immunity	EN 60950-1
	Emission	EN55022
Communication Interfaces	connection between module and meter	SPI interface, up to 115k Baud
	Data protocol	EN62056-21 (7E1), Mode C DLMS/COSEM (8N1), Mode E or HDLC
	Exchangeable communication module	Can be exchanged under power, secured by the terminal cover
Data transmission		TCP/IP Server, FTP, UDP, SMTP(eMail)
Ethernet	Protocol	TCP/IP, IPv4, 10M/100Mbit up to 2 uplinks, up to 4 downlinks max. 5 parallel links
Connections	Ethernet	RJ45 with 2 LEDs for communication TX/RX
	RS-485 master (optional)	2 terminals with screws: RS+ and RS- (Half duplex)
	Dimensions	62 x 108 x 25 (B x L x H)
Housing	Material	Polycarbonate, flame-retardant, self-extinguishing plastic, recyclable
	Protection class	IP 20
Weight		Approx. 90 g

Installation

Few and easy steps:

- ✓ Remove the meter terminal cover
- ✓ Pull out the old module
- ✓ Plug in the new module
- ✓ Connect RJ45 cable
- ✓ Close the meter terminal cover



Exchangeable communication modules:



2G Cellular Module



3G Cellular Module



4G Cellular Module



Ethernet Module



2nd RS485 Module



CLO Module



Security Module



NB-IoT Module



Custom Module

BLUE SQUARE CONCEPT



About Us

MetCom Solutions GmbH was founded with the aim to Develop, Manufacture and Deliver innovative Metering solutions and support Utilities to master their Digital Transformation journey.



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