

COM200



Cellular
2G GPRS or 4G LTE
communication modules
for MCS301 meter



BLUE² comm



- ✓ Exchangeable module for the MCS301 meter
- ✓ Transparent 2G or 4G with fallback to 2G/3G that module supports: DLMS/COSEM or EN62056-21 protocols
- ✓ Automatic NTP server meter time/date synchronization
- ✓ Configuration and Local or remote FW upgrade using Blue²Link software
- ✓ Master RS-485 interface (Option with terminals)
- ✓ Pull mode support:
 - ✓ Fixed IP, up to 3 parallel TCP ports
- ✓ Push mode support:
 - ✓ Up to 6 push targets using: TCP/IP Server, FTP, UDP, SMTP(eMail) or SMS
 - ✓ 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

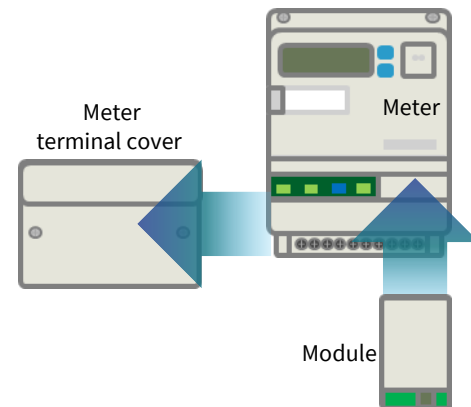
Technical Specification

		COM200-2G	COM200-4G
Power supply	Powered by the meter	≤ 2W	≤ 2W
Display	Using meter LCD	Cellular signal strength in dbm network provider indication on LCD	Cellular signal strength in dbm network provider indication on LCD
Technology and Bands	2G 3G 4G	2G GPRS Dual: 900/1800 MHz or Quad: 850/900/1800/1900 MHz -- --	GPRS Dual: 900/1800 MHz or Quad: 850/900/1800/1900 MHz 3G HSPA+: 1,3,8; 2G: 3, 8 4G LTE FDD: 1,3,7,8,20,28A;
Temperature / Environmental influences	Operation Storage Humidity	- 30°C ... +70°C - 30°C ... +85°C 95% rel. humidity, non-condensing	- 30°C ... +70°C - 30°C ... +85°C 95% rel. humidity, non-condensing
Electro-magnetic Compatibility	Security Noise immunity Emission	EN 60950-1 EN55024 EN55022	EN 60950-1 EN55024 EN55022
Communication Interfaces	Connection between module and meter Data protocol Modularity Additional Interface	SPI interface up to 115k Baud EN62056-21 (7E1), Mode C DLMS/COSEM (8N1), Mode E exchangeable under power, removing the terminal cover	SPI interface up to 115k Baud EN62056-21 (7E1), Mode C DLMS/COSEM (8N1), Mode E exchangeable under power, removing the terminal cover RS-485 as Master
Data transmission		TCP/IP Server, FTP, UDP, SMTP(Mail) or SMS	TCP/IP Server, FTP, UDP, SMTP(Mail) or SMS
Cellular	Protocol	Compatible with 2G GPRS up to 2 uplinks, up to 4 downlinks, max. 5 links	Compatible with 4G LTE and Fallback to 3G/2G up to 2 uplinks, up to 4 downlinks, max. 5 links
Connections	Antenna	Internal Antenna with u.FL connector or external	External antenna with SMA or FME connector
Housing	Dimensions Material Protection class	62 x 108 x 25 (W x L x H) Polycarbonate, flame-retardant, self-extinguishing, recyclable IP 20	62 x 108 x 25 (W x L x H) Polycarbonate, flame-retardant, self-extinguishing, recyclable IP 20
Weight		approx. 90 g	approx. 90 g

Installation

Few and easy steps:

- ✓ Remove the meter terminal cover
- ✓ Pull out the old module
- ✓ Plug in the new module
- ✓ 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.

**MADE
IN
GERMANY**

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