

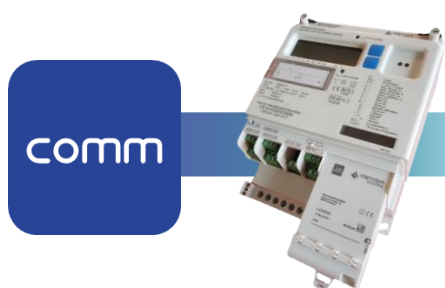
COM200



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



BLUE² COMM



COM200
2G GPRS or 4G LTE
Modules for MCS301

- ✓ 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 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

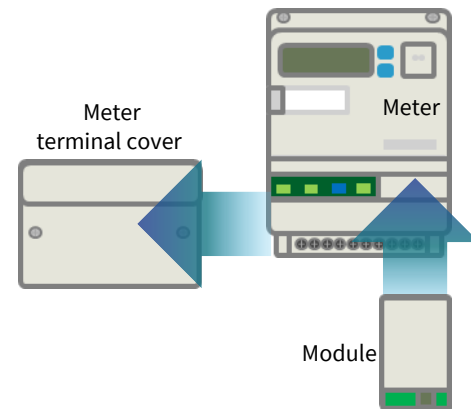
Technical Specification

	COM200-2G	COM200-4G
Power supply	Powered by the meter ≤ 2W (Taken from Meter's voltage circuit or Aux. Power Supply AC/DC)	
Display	Using meter LCD	Cellular signal strength in dbm network provider indication on LCD
Technology and Bands	2G	2G GPRS Dual: 900/1800 MHz or Quad: 850/900/1800/1900 MHz
	3G	-- 3G HSPA+: 1,3,8; 2G: 3, 8
	4G	-- 4G LTE FDD: 1,3,7,8,20,28A;
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	EN55024
	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
	Modularity	exchangeable under power, removing the terminal cover
	Additional Interface	RS-485 as Master
Data transmission	TCP/IP Server, FTP, UDP, SMTP(Mail) or SMS	
Cellular	Protocol	Compatible with 2G GPRS Compatible with 4G LTE and Fallback to 3G/2G up to 2 uplinks, up to 4 downlinks, max. 5 links
	Antenna	Internal Antenna with u.FL connector or external External antenna with SMA or FAKRA connector
Housing	Dimensions	62 x 108 x 25 (W x L x H)
	Material	Polycarbonate, flame-retardant, self-extinguishing, 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
- ✓ Close the meter terminal cover



Exchangeable communication modules:



2G Cellular Module



Ethernet Module



Security Module



3G Cellular Module



2nd RS485 Module



NB-IoT Module



4G Cellular Module



CLO Module



Custom Module

BLUE SQUARE CONCEPT



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SOLUTIONS

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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