

Data sheet

## OMNICON® Multi-Utility Controller

- Wireless reading of water, heat, cooling and gas meters
- Plug-and-play concept without local configuration
- Internal antenna
- Wireless M-Bus Mode C1 and T1



## Application

OMNICON® Multi-Utility Controller can wirelessly collect data from nearby water and energy meters.

The data collection takes place via Wireless M-Bus, and the communication with the central system depends on the selected MUC solution.

Meter data is saved in the internal data logger of the OMNICON® Multi-Utility Controller module and can be read via the central system.

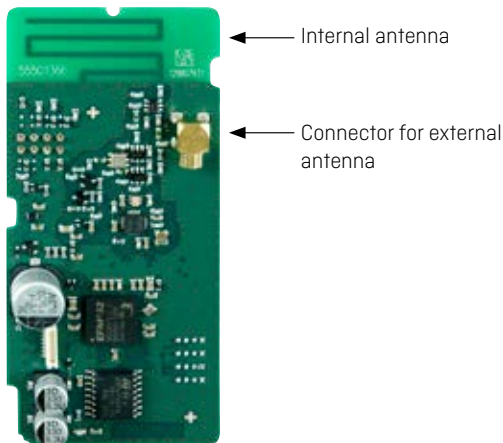
Data is logged according to predefined profiles that are adapted to the various meter types and therefore, no additional configuration is required at the time of installation.

## Connection description

Designed for mounting in OMNIPOWER® single-phase, three-phase and CT electricity meters

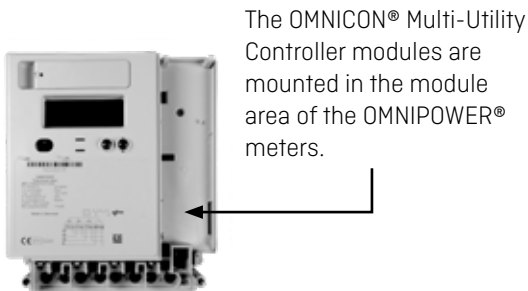
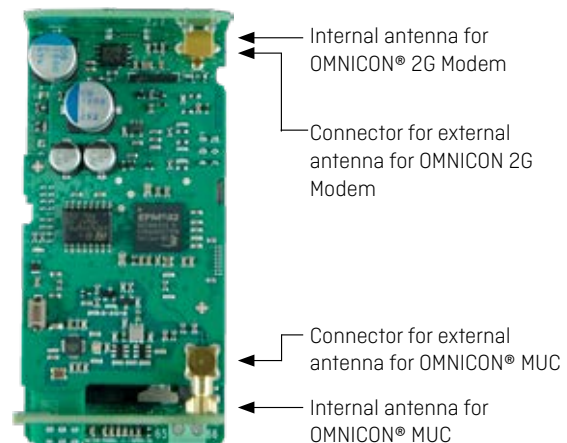
- Integrated solution for mounting in the meter's module area
- Plug-and-play installation

**6850079** OMNICON® MUC for RF



**6845008** OMNICON® MUC for P2P mounted uppermost

**6850053** OMNICON® 2G Modem mounted lowermost



## Supported meters

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### Mode C1 meters:

MULTICAL® 21, MULTICAL® 61, MULTICAL® 62, MULTICAL® 302, MULTICAL® 401, MULTICAL® 402, MULTICAL® 403, MULTICAL® 601, MULTICAL® 602, MULTICAL® 603, MULTICAL® 801, MULTICAL® 803, flowIQ® 3100

### Mode T1 meters:

Kamstrup MULTICAL® 21 water meters from OMNIA® 5.2  
 Diehl Sharky 775 heat meter from OMNIA® 5.2  
 Diehl Hydrys water meter from OMNIA® 5.2  
 Sensus Iperl water meter from OMNIA® 5.2  
 Qualcosonic heat meter from OMNIA® 5.2  
 Diehl Sharky 774 heat meter  
 Flonidan Uniflo gas meter (system support pending) from OMNIA® 5.3  
 GWF water meter (system support pending) from OMNIA® 5.2  
 Landis&Gyr T550 Ultraheat  
 GWF gas meter BGZcoder MP from OMNIA 5.6

## Technical data

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An OMNICON® MUC module supports up to 24 meters

Antenna

Wireless M-Bus

Wireless M-Bus PCB antenna

868 MHz

## Electrical data

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Supply From the electricity meter

Power consumption < 0.27 W

## Mechanical data

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Dimension (wxhxd mm)	41x20x93	OMNICON® MUC for RF
	41x25x75	OMNICON® MUC for P2P
Temperature, storage	-40 °C - +85 °C	
Temperature, operation	-40 °C - +85 °C	
Relative humidity	< 95 %, non-condensing	
Mounting	In the module area of the electricity meter	
Density	IP51 when mounted in electricity meter	
Lifetime	Min. 15 years	

## Marking/approvals

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CE marking

EN 61000-6-1 EMC directive

EN 61000-6-2 EMC directive

EN 61000-6-3/A1 EMC directive

EN 61000-6-4/A1 EMC directive

EN 301 489-1/52 RED. General EMC and ERM requirements for radio equipment/Specific EMC and ERM requirements for GSM and E-UTRA

EN 301 908-1/13 RED. General requirements for IMT cellular radio network/Radio equipment directive: Specific requirements for E-UTRA

En 62368-1 Safety requirements

En 62311 Restrictions on human exposure to electromagnetic fields

## Ordering

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6850079

OMNICON® Multi-Utility Controller module for OMNIPower® meters with RF

6845008

OMNICON® Multi-Utility Controller add-on module for OMNIPower® meters with OMNICON® 2G Modem

### Auxiliary products

6699448

Mini-Triangle antenna with 2.5 m cable

For other antennas, see Antenna Guide.

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