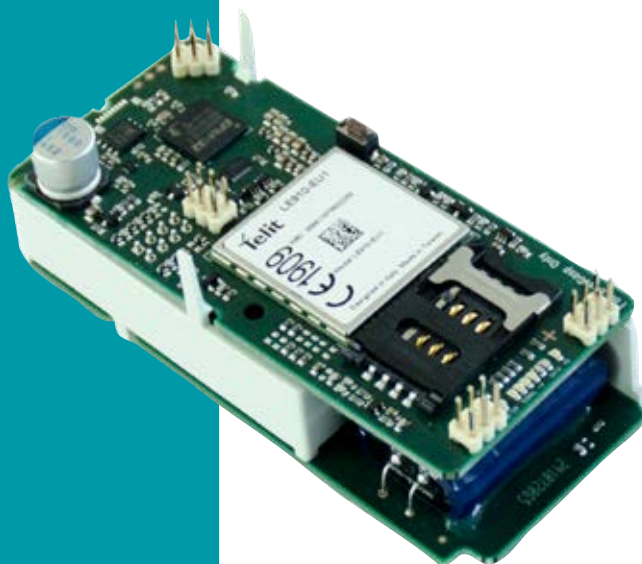


## Data sheet

### • **OMNICON® 4G Modem**

#### **with Last Gasp**

- 4G module for fast and stable reading of the electricity meter
- Plug-and-play installation with clear information about the signal strength
- Last Gasp
- Solution for internal and external antenna
- Configurable for OMNIA® or third-party systems



## Application

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The OMNICON® 4G Modem and Last Gasp support 2G (GPRS), SMS and 4G (LTE CAT 1) ensuring a fast and reliable connection to the metering point. The module is mounted in Kamstrup's electricity meters of type OMNIPower® for OMNIA® systems.

The quality of the installation is ensured by means of informative Light Emitting Diodes (LEDs) indicating the signal strength. Likewise, the signal strength can be read by SMS making it possible to check installations in closed cabinets.

The 681G variant has a built-in antenna that is sufficient in most installations.

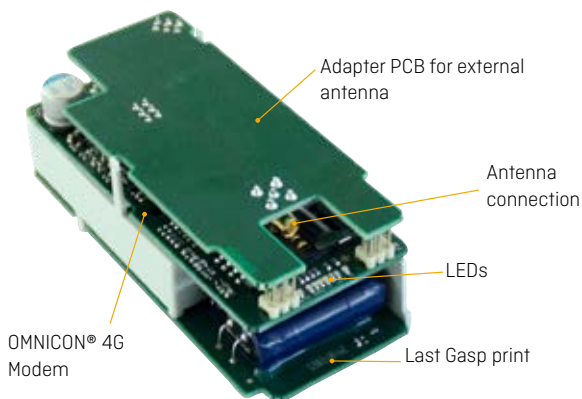
In areas requiring an external antenna, the 681H or 681J variant can be selected.

## Connection description

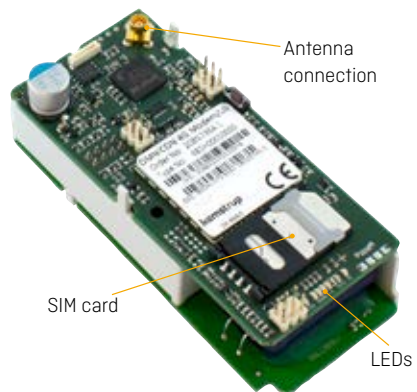
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- Designed for mounting in OMNIPower® electricity meter
- Integrated solution for mounting in the meter's module area
- Plug-and-play installation with clear indication of the signal strength

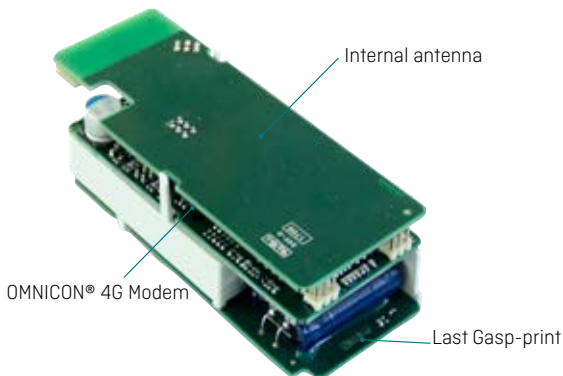
**OMNICON® 4G - 681Jxxxx**



**OMNICON® 4G - 681Hxxxx**



**OMNICON® 4G - 681Gxxxx**



## Technical data

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### Antenna

Penta Band 2G/4G PCB antenna

### 2G (GSM/GPRS)

Dual-band 900/1800 MHz

Class 4 900 MHz, 2 W

Class 1 1800 MHz, 1 W

GPRS Class 8, class B 4G (LTE)

Penta Band 800/900/1800/2100/2600 MHz

3GPP release 9 compliant

Class 3 (0.2W, 23 dBm)

## Electrical data

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|                   |                            |
|-------------------|----------------------------|
| Supply            | From the electricity meter |
| Power consumption |                            |
| - idle            | < 0.35 W                   |
| - transmission    | < 2 W                      |

## Mechanical data

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|                        |   |
|------------------------|---|
| Dimension (wxhxd mm)   | 41x20x93                                    |
| 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      |

## 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 | General EMC and ERM requirements for radio equipment/ Specific EMC and ERM requirements for GSM and E-UTRA           |
| EN 301 511      | RED. Specific requirements for GSM   |
| EN 301 908-1/13 | RED. General requirements for IMT cellular radio network/Radio equipment directive: Specific requirements for E-UTRA |
| EN 62368-1      | Security requirements  |
| EN 62311        | Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields  |

## Ordering

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|               |   |
|---------------|---|
| Single module | 681G00000000 (top number 681xxxxxxx)<br>4G module with built-in antenna (not for add-on modules)                            |
| Single module | 681H00000000 (top number 681xxxxxxx)<br>4G module for add-on modules and for external antenna only                          |
| Single module | 681J00000000 (top number 681xxxxxxx)<br>4G module with built-in adapter board for external antenna (not for add-on modules) |
| In meter      | 6850053.51  |

An order form must always be completed.

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