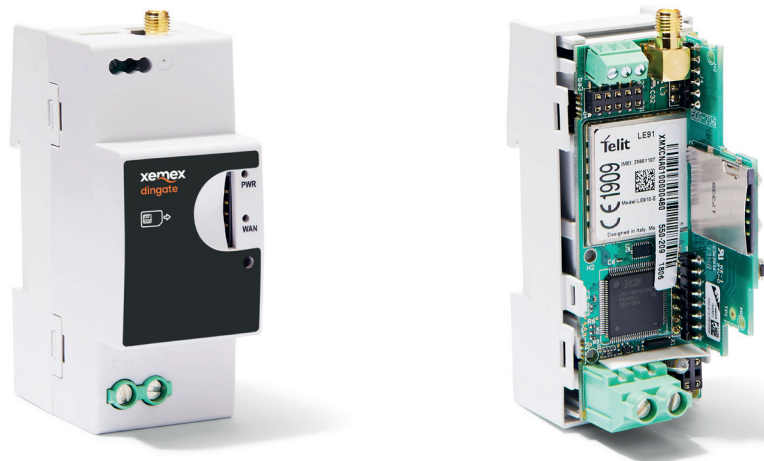


## DNG - DIN Gate multi meter Communication module for MOD-bus sensors

The optical interface on the side of the DNG - DIN Gate multi meter is used for onsite configuration.



### Product overview

The DNG - DIN Gate multi meter communication module is a DIN-sized communication module which enables remote readout of MOD-Bus sensors using LTE Cat-1 and / or GPRS.

16 devices with each 8 registers can be connected.

The module is mains-powered and can be mounted in a standard DIN cabinet. A slide-in slot on the front for the SIM card enables easy installation. The device has a standard SMA connector to mount an external antenna. Status indicators on the front panel provide users with visual indication of the module's operation. The optical interface on the side of the DNG - DIN Gate multi meter is used for onsite configuration. The communication in between the module and the MOD-Bus sensors is done using a 2 wire connection (RS485).

The unit supports the industry-standard protocol DLMS-COSEM for the WAN connection. This protocol enables also secure firmware update functionality.

The DNG - DIN Gate multi meter is ideal for companies looking for a cost-effective, easy-to-use and easy-to-manage compact remote readout solution for multiple types of sensor

### Features

- LTE Cat-1 or GPRS WAN connectivity
- Front panel SIM slide-in slot (2FF)
- External antenna connector
- RTC backup
- ABB E-meter B21/B23 compatible
- DLMS WAN protocol
- M-bus over IR
- Modbus over RS485

## Technology

### Physical Characteristics

- Housing: DIN 43880 / 2 units
- Weight: 106 gr
- Dimensions: 90 x 36 x 65 mm

### Local interfaces

- RS485 (2-Wire + GND) ①
- Optical IR interface ②

### WAN interface

- LTE Cat-1  
(Bands: B1, B3, B7, B8, B20) ③
- GPRS (900/1800 MHz) ④

### Sim card connector

- Mini Sim (2FF) 25x15mm ⑤

### Antenna connector

- SMA Female on housing ①

### LED indicators

- Power / Meter connection indication ③
- WAN connection indication ③

### Environmental Limits

- Operating Temperature: -20/+70°C
- Storage Temperature: -40/+70°C

### Power requirements

- 230Vac/ 50 or 60Hz

### Standards and Certifications

- Safety: IEC 60950-1
- EMC: EN 55016-2-3 EN 55016-2-1  
EN 61000-3-2 EN 61000-3-3  
EN 61000-4-2 EN 61000-4-3  
EN 61000-4-4 EN 61000-4-5  
EN 61000-4-6 EN 61000-4-11

