



Product Sheet | Version 1.1
DINGate 1.1
MultiMeter Communication
module

DINGate 1.1

MultiMeter Communication module for MOD-bus sensors

Product Overview

The DNG – DINGate MultiMeter communication module is a DIN-sized communication module which enables remote readout of MOD-Bus sensors using LTE-M and / or NB-IoT. 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 – DINGate MultiMeter is used for onsite configuration. The communication with 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 – DINGate MultiMeter is ideal for companies looking for a costeffective, easy-to-use and easy-to-manage compact remote readout solution for multiple types of sensor

Features

- LTE-M or NB-IoT WAN connectivity - DLMS WAN protocol
- External antenna connector - Front panel SIM slide-in slot (2FF)
- RTC backup - Modbus over RS485



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Specifications

Physical Characteristics

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

Local interfaces

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

WAN interface

- LTE-M: bands B3 (1800MHz) / B8 (900MHz) / B20 (800MHz)

Sim card connector

- Mini Sim (2FF) 25x15mm

Antenna connector

- SMA Female on housing

LED indicators

- Power / Meter connection indication
- WAN connection indication

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



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