

ME15.1S DIN LiMo 4G/LTE

Modems for Remote Data Applications

General Description

The DIN-LiMo modem is a standalone DIN rail mountable modem that can be used as an external modem for any energy meter that has a serial (RS232/RS485) or Ethernet port.



Features

- ARM9 CPU running Linux
- Full networking and filesystem support
- 4G/LTE module fully managed by host CPU
- Indication of 4G/LTE signal strength
- Implements both TCP server and client modes
- Meter protocol implementations (including load-profiles) for:
 - IEC 62056 21
 - DLMS
 - Modbus RTU / TCP
 - OSGP (Echelon MEP)
 - KMP (Kamstrup)
- IOT Protocols (MQTT, HTTP, HTTPS etc.)
- Designed for cloud metering (data push)
- Python scripting for user logic
- Over the air Firmware Update
- Remote management via ssh, web calls
- Supervises network 4G/LTE connection
- 1 x Chip-SIM ready

Specification

■ Housing

Purpose made plastic carrier (fits on DIN rail):
122 x 88 x 43 mm

■ Connections

Antenna: SMA (female)

Data: 1 x RS232 - RJ12
1 x Non Isolated RS485 RJ12
1 x Isolated RS485 - RJ12
1 x Ethernet - RJ45 (optional)

■ Power Supply

Internal, Universal input 90 - 265 Vac
(Optional 100 - 500 Vac)

Replaceable Fuses

Surge Protection

- Surge Current (8/20 s) – 25kA
- Energy Absorption (2ms) – 660 J
- Power Dissipation – 1,2 W

■ Temperature range

-20 to +80 Degrees Celsius

Antenna

- Whip Type: Magnetic Base, 5dBi Gain with 3m Cable

Optional Antenna

- Patch Type: Pole Mount, 10dBi Gain with 0,3m Cable
-Extension Cable Required
- Yagi type: Pole Mount, 12dBi Gain with 9.5m Cable
- Vandal Proof Type: Panel Mount, 0dBi Gain with 3m Cable

Software

Configuration with cross platform tool that uses web calls.