UNIVERSAL / INDUSTRIAL MODEM



Universal cellular modem for industrial automation

UPGRADE THE MODEMS NOT THE SMART METERS!

All around the world mobile operators are shutting down 2G/3G networks in order to give way to 5G. Companies that operate smart meters with 2G/3G connectivity must plan the migration to the latest 4G LTE network which is well-positioned to dominate smart metering communication technologies in the upcoming years. The migration from GSM/UMTS to LTE has many advantages, for example, a shorter readout time due to the high-speed network with low latency.

Utilities have two options for migration: replace the meters or upgrade the modems! The 1st option comes with a high CAPEX, while the 2nd option is a future-proof solution that reduces TCO.

The modem is easily mountable on DIN-rail and operates from a 230V AC external power supply.

The case design and interfaces meet the industry standards and the strict requirements of the large meter manufacturers.

This device allows us to connect all kinds of industrial measurement systems with a central server by creating a transparent data link between a local system and an IP address or HES.

MAIN FEATURES

- · Wireless module order options:
 - · 4G LTE Cat.1 2G or 2G/3G "fallback"
 - · LTE Cat.M / Cat.NB with optional 2G "fallback"
- · Design & connectivity meets with meter standards
- · RS232 and RS485 port (connector outfit by order)
- Transparent link / IEC 62056-21 protocol
- · Installable to any meter as universal, external modem
- · It can be mounted on a DIN-rail (by its adapter)
- · Power supply (AC) is required (optional DC can be used)
- Transparent data transfer (client and server mode)
- Supercapacitor option (for LastGASP SMS notification)
- · Remote, safe firmware updates
- · WM-E Term® configuration tool

APPLICATION

- UTILITY COMPANIES
- SMART METERING
- INDUSTRIAL USERS
- MEASUREMENT SYSTEMS



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DESIGN AND OUTFIT

- · Installable to any meter as universal, external modem
- · RS232 interface connector options: D-SUB9 / RJ12
- RS485 interface connector options: 2- / 4-wire / RJ12
- · AC power connector (for external mains) optional DC
- Supercapacitor option

COMPATIBILITY

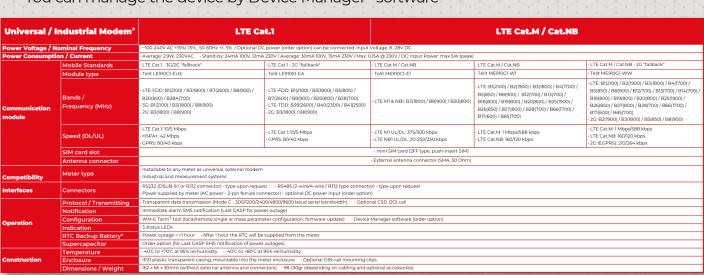
- · Installable to any meter as universal, external modem
- Industrial and measurement systems

OPERATION

- · Transparent data transmission to the HES
- Optional CSData call (2G)
- Immediate SMS notification (Last GASP alert of power outage)

ACCESSORIES (ORDER OPTIONS)

- AC power connector
- · SMA antenna (50 Ohm)
- DIN-rail adapter
- WM-E Term® software (mass firmware updates, reconfiguration of settings)
- You can manage the device by Device Manager® software





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