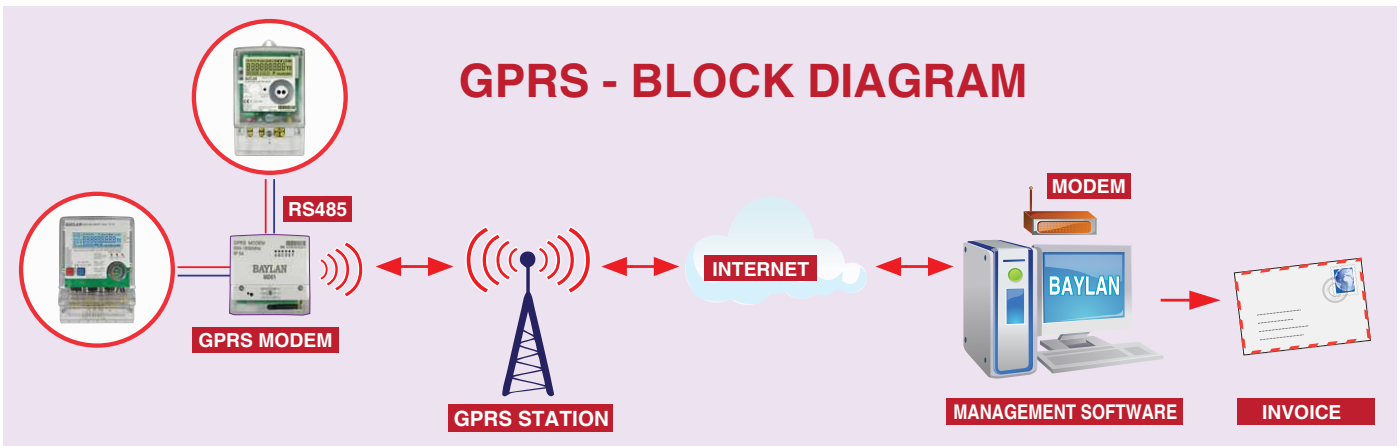


# GPRS Modem

The BAYLAN energy meters can be accessed via the Internet by connecting to the GPRS modem from RS485.

GPRS (General Packet Radio Service) is a mobile data communication technology that allows packet switched data transmission over GSM networks. With this technology, meters can connect to the data center to transmit their data via internet bi-directionally.

Packet-switched data transfer is based on the fact that the information sent is divided into small pieces called packets and transmitted over a specific network and combined on the receiving side. The Internet network also operates according to the packet switched data transfer architecture.



## Modem Specification

- GSM / GPRS 2G (Quad Band Support 850/ 900/ 1800/ 1900MHz )
- STM32L451 32Bit Arm Cortex HighSpeed Microcontroller
- RS485 / RS232 connection
- Autobaudrate 300-115200 with depend on Electric Meter
- Relay output and digital input
- Read out, Obis Code Read, Load Profile Read with compatible IEC 62056-21 protocol.



## Software

Baylan Meter Management System is designed to integrate with existing softwares or work as stand alone. As a result of the integration works carried out, the administrations to be able, and manage meter configuration operations by sending a work order to Baylan Meter Management System.

In the administrations that cannot be integrated with the software, Baylan Meter Management System works as a singular and performs accrual / collection transactions. The consumer and meter management modules and server software provide the required units and settings to the meter.

*"Due to continuous development of our products, we reserve the right to modify our product design or construction without prior notice."*