

myDatalogEASY IoT 2G/4G EU



Technical data

Universal inputs	4 x analogue or digital ¹⁾ <ul style="list-style-type: none"> • 0/4...20mA • 0...2V / 0...10V • PWM / Frequency • Digital / counter
Ext. temp. sensor	1 x PT100/1000 ²⁾ (2/3-wire)
Serial interface	1 x RS232 ²⁾ (4-wire) 1 x RS485 ^{1) 2)} (2-wire)
Outputs	1 x isolated switch contact 2 x switchable 3,3V supply 1 x switchable, selectable (5...24V) sensor supply
Bluetooth ²⁾	5.0 compatible Low Energy module
Power supply	Battery, rech. battery or direct
Supply or charging voltage	12...32VDC (max. 12W)
Operating temp.	-20...+60°C , 15...90%rH
Antenna connector	up to 3 x FME-M ³⁾
Degree of protection	IP66
Data memory	3MB
Dimensions (WHD)	130 x 250 x 78mm (w/o antenna)
Weight	400g (w/o Power Supply Unit)
Transmission	Bluetooth Low Energy: ²⁾ Range: approx. 20m 2G/4G Europe: 2G GPRS 900MHz / 1800MHz LTE CAT1 B3, B7, B20
SIM	<ul style="list-style-type: none"> • integrated SIM chip • SIM slot ²⁾
Display / operation	3-colour LED / Solenoid switch

¹⁾ RS485 and universal inputs 3-4 cannot be used at the same time

²⁾ Additional costs will be incurred to release these features.

³⁾ Depending on the variant and installed additional modules

Application

The myDatalogEASY IoT 2G/4G EU is a freely programmable device for recording, processing and transferring signals. The application program can be created within a few hours with the help of the rapidM2M Studio . The universal inputs can be used to collect data from analogue sensors and signal transmitters. The RS232 and RS485 interfaces enable communication with machines, control units or sensors with digital interfaces. The device is equipped with an isolated switch contact for the direct control of an actuator. The power supply for the sensors can be supplied directly by the myDatalogEASY IoT 2G/4G EU . A separate power supply for the sensors is thus not required. The myDatalogEASY IoT 2G/4G EU is equipped with an integrated Bluetooth Low Energy module for wireless communication with sensors and actuators.

Product characteristics

- Programmable using scripting language
- Universal inputs for digital and analogue signals
- RS232 and RS485 interface
- 3 switchable supply voltages for sensors
- Bluetooth Low Energy module
- Isolated switch contact for the signal output
- Space for additional components in the housing
- internal battery compartment
- battery, rechargeable battery or direct power supply
- Exact calculation of the battery/rechargeable battery charge using Coulomb method
- Integrated charge controller
- Configuration of the device via web portal
- Very low commissioning and operating costs
- Hardware Real-Time Clock
- Integrated durable SIM chip

Scope of supply	Order no.
myDatalogEASY IoT 2G/4G EU	---
3x cable screw connection (5-10mm cable diameter)	---
3x dummy plug	---
Connector plug (2x 2-pin, 2x 3-pin, 1x 6-pin)	---
Housing cover	---
4x hexagon socket screw M6x30	---
myDatanet Tool Pen	206.646
MDN Magnet	206.803

One of the following PSUs is essential for operation:

- Rech. battery pack: [PSU413D+ AP \(300524\)](#)
- Rech. battery pack: [PSU413D AP \(300525\)](#)
- Battery pack: [PSU713 BP \(300526\)](#)
- Direct DC power supply: [PSU DC \(300529\)](#)
- Direct DC power supply: [PSU DC+ \(300798\)](#)