

myDatalogEASY IoT 2G/M1/NB1 World



Technical data

Universal inputs	4 x analogue or digital ¹⁾ 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 3,3 V supply 1 x switchable, selectable (5...24 V) sensor supply
Local radio interface ²⁾	Low energy module
Power supply	Battery, rech. battery or direct
Supply or charging voltage	12...32 VDC (max. 12 W)
Operating temp.	-20...+60 °C , 15...90 % RH
Antenna connector	FME-M
Degree of protection	IP66 / IP68 (IP68: 105 days @ 1 m)
Data memory	3 MB
Dimensions (WHD)	130 x 250 x 78 mm (w/o antenna)
Weight	400 g (w/o Power Supply Unit)
Transmission	Local radio connection: ²⁾ Range: up to 20 m ³⁾ 2G/M1/NB1 World: 2G GPRS 900 MHz / 1800 MHz 2G GPRS 850 MHz / 1900 MHz LTE B1, B2, B3, B4, B5, B8, B12, B13, B20, B25, B26, B28, B66, B85
SIM	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 ambient and structural conditions

Application

The myDatalogEASY IoT 2G/M1/NB1 World 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/M1/NB1 World . A separate power supply for the sensors is thus not required. The myDatalogEASY IoT 2G/M1/NB1 World is equipped with a local radio interface 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
- Local radio interface
- 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/M1/NB1 World	301003
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	
Tool Pen	
MDN Magnet	

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+ \(300798\)](#)