



## Overview

- **Wireless M-Bus Support:** Handles up to 50 Wireless M-Bus devices on 868 MHz or 433 MHz frequencies.
- **Flexible Communication Options:** Equipped with 4G, RS232, RS485, M-Bus, Ethernet, and USB interfaces for seamless integration.
- **Data Logging and Cloud Integration:** Built-in datalogger with real-time clock (RTC) for timestamped records and data transmission via FTP, MQTT, or Modbus.
- **Fully Configurable Alarms:** Supports alarm notifications through SMS, email, and MQTT for real-time reporting.

## Characteristics

### General

Power supply:	9 – 36 VDC / 12 – 50VDC
Overvoltage protection:	>1000V (max. 5 sec)
Consumption:	<10 VA

### Specifications

CPU:	Cortex M4
Flash:	8 MB, up to 5 years storage.
GSM:	850/900/1800/1900 MHz
WCDMA:	B1/B2/B4/B5/B6/B8/B19
LTE-FDD:	B1/B2/B3/B4/B5/B7/B8/B12/B13/ B18/B19/B20/B25/B26/B28/B66
LTE-TDD:	B34/B38/B39/B40/B41
External storage:	32GB microSD card

### Interfaces

RS232:	Up to 15m distance, speed up to 57600 bps
RS485:	Up to 1.2 km distance, speed up to 57600 bps
M-Bus:	Up to 8 devices
WM-Bus:	Up to 50 devices. 868 / 433 MHz. S, T, R2, C. OMS (Open metering system) modes supported.
USB:	Type B, ver. 2.0
Ethernet:	RJ45 Twisted pair 10/100 Mb, up to 100m

### External devices power supply

3.7 /5/6/8/10 Vcc max. 20mA

### Supported protocols

Modbus RTU, Modbus TCP, M-Bus, WM-Bus, MQTT, FTP (server/client)

### LED Indication

Power supply status
WM-Bus connection status
4G connection status
Ethernet connection status

### Working conditions

Working temperature:	-25°C to +60°C
Storage temperature:	-40°C to +60°C
Humidity range:	5 to 95% (non-condensing)

### Regulatory approvals

EN 55022:2000+A1+AC:2002+A2:2003
EN 55024:2000+A1:2003+A2:2003
EN 61000-4-5:2002+A1:2003
EN 61000-4-6:2002+A1:2003
EN 61000-4-2+A1+A2:2002
EN 61000-4-3+A1:2004
EN 61000-4-4:2005



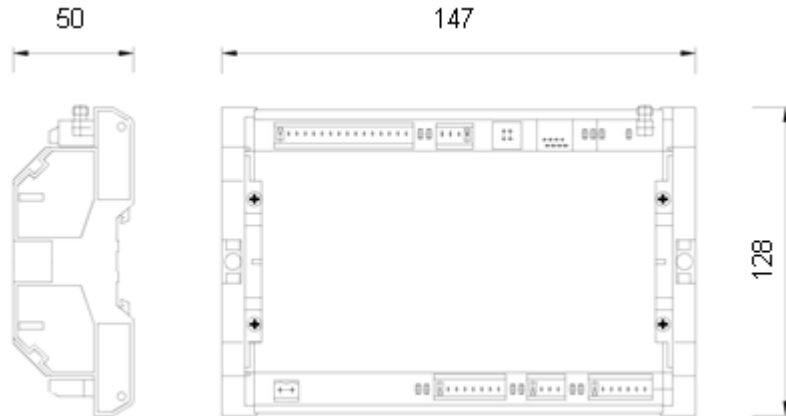
### Physical characteristics

Dimensions:	147x128x50 mm
Weight:	275 g
Material:	PC/ABS
Protection type:	IP20
Mounting:	DIN rail compatible

### Other features

Made in the EU

Dimensions (mm)



Ordering code

MODEL	Interface	Interface	Interface	Interface	WM-Bus	Ethernet	SD card	Power supply
<b>702 . 044 .</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D .</b>	<b>E .</b>	<b>F .</b>	<b>G .</b>	<b>H</b>

- 0 – None
- 2 – RS232
- 6 – Global 4G comm
- 0 – None
- 1 – RS485
- 2 – RS232
- 4 – M-Bus
- 0 – None
- 1 – RS485
- 2 – RS232
- 4 – M-Bus
- 0 – None
- 1 – RS485
- 2 – RS232
- 0 – None
- 1 – Wireless M-Bus (868 MHz)
- 2 – Wireless M-Bus (433 MHz)
- 0 – None
- 1 – Ethernet
- 0 – None
- 1 – microSD card slot + 32GB card
- 0 – None
- 1 – Power supply for external devices

Example: **702.044.60104.1.1.0** 4G modem, WM-Bus (868MHz) port, RS485 port, Ethernet port and microSD card

The information contained in this datasheet is subject to change without notice. Make sure you are using the latest version.