**Robotina d.o.o.**
OIC Hrpelje 38
SI-6240 Kozina
Slovenia

# 1. BM-GW

**BTMS IOT Gateway**



| | | |
|---|---|---|
| Order code: | **BM-GW-01** | NO GSM modem |
| | **BM-GW-02** | With GSM modem |
| Mounting: | DIN rail | |
| Dimensions: | 86 x 114 x 30 mm | |

## 1.1. Highlights & Features

- Local WEB UI
  - real-time data display
  - data logging

    - history data display (tables, time-plots)
    - history and real-time data download
    - e-mail, SMS alarming
- Robust and safe connection of BTMS system to BTMS cloud platform.
- Secure access and communication (TLS encryption)
- Local data buffer, no data loss
- User data safety according to GDPR
- Secure remote access to BM-C controllers

## 1.2. System specifications

- Up to:
    - **32strings arbitrarily distributed on several UPSs**
    - **120 batteries / string** (3840 batteries / system)
    - **Temperature and humidity** sensor for each string
- Logging data for one year by automatically deleting old data
- Send e-mail and SMS alarms directly from the device

## 1.3. HW Technical specification

| | |
|---|---|
| **Power supply:** | 12 VDC 2A max |
| **Construction:** | Extruded aluminum IP30 |
| **CPU:** | Rockchip RK3588 Quad-core ARM Cortex-A76(up to 2.4GHz) and quad-core Cortex-A55 CPU (up to 1.8GHz) |
| **System Memory:** | 4 GB LPDDR4X at 2133MHz |
| **Storage:** | eMMC Flash 32GB, 256 GB SSD |
| **Ethernet:** | 2 x RJ-45 10/100/1000/2500 Mbps |
| LTE: | Cat 4 Quectel EG25-G Mini PCIe |
| **Working temp.:** | 0°C to +70°C |
| **Humidity:** | 0% to 95% |
| **Vibration Endurance:** | 2 Gms with storage (5 to 500Hz, X/Y/Z direction; random, operating) |

## 1.4. Wiring

