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

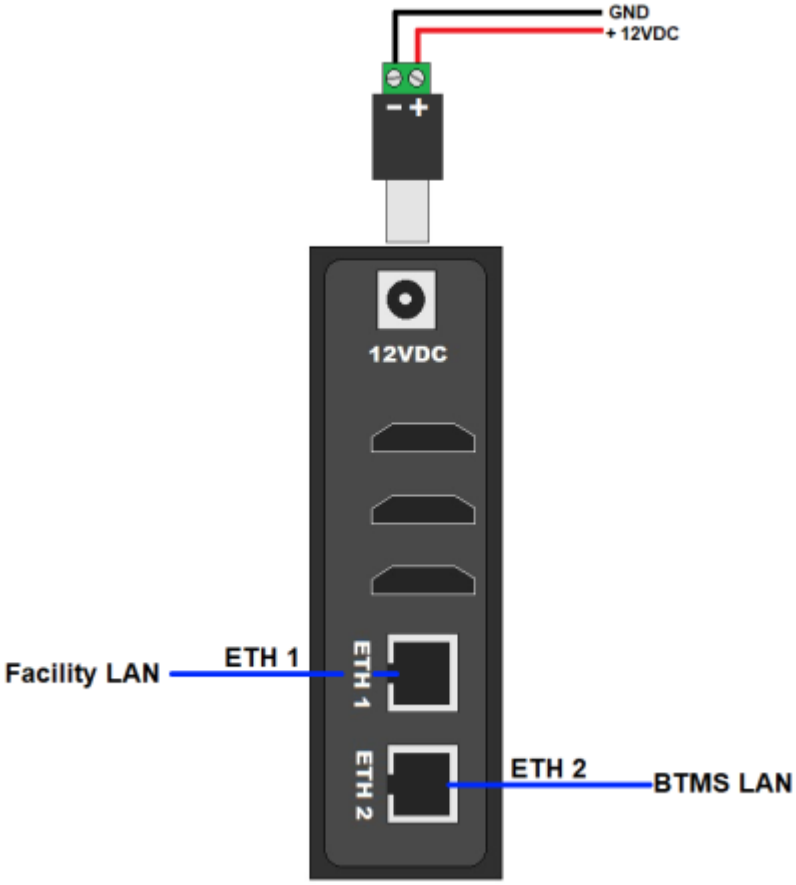
1.2. System specifications

- 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 (Barrel Connector 5.5mm x 2.1mm)
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


GND
+ 12VDC
12VDC
Facility LAN
ETH 1
ETH 1
ETH 2
ETH 2
BTMS LAN