

# Template:FMB964 Basic characteristics

## GSM / GPRS / GNSS features:

- Teltonika TM2500 quad band module (GSM 850 / 900 / 1800 / 1900 MHz);
- GPRS class 12;
- SMS (text, data).
- Integrated GNSS receiver
- Up to -162 dBm GNSS receiver sensitivity.

## Hardware features:

- Built-in embedded SIM;
- Built-in movement sensor;
- Built-in Bluetooth 3.0;
- Built-in Bluetooth 4.0;
- Internal High Gain GNSS antenna;
- Internal High Gain GSM antenna;
- 128 MB Flash (422 400 Records);
- 1800 mAh Li Po rechargeable 3.7 V battery.

## Interface features:

- Power supply: 6 ÷ 30V;
- 1 digital input;
- 1 analog input;
- 1 open collector digital output (connecting external relays, LED, buzzers etc.);
- 2 LEDs indicating device status.

## Special features:

- Fast position fix;
- High Quality track even in high density urban canyon;
- Ultra small case;
- Ready for harsh environment;
- Color ribbon non-detachable cable;
- Easy to mount in limited access areas;
- Firmly fasten;
- High gain internal GNSS and GSM antennas;
- 2 LED status indication;
- Real-Time tracking;
- Smart data acquisition based on:
  - Time;
  - Angle;
  - Distance;
  - Ignition or any other I/O event;
- Sending acquired data via GPRS;
- GPRS and SMS I/O events;

- Virtual odometer;
- Jamming detection
- Configurable using Secured SMS Commands;
- Overvoltage protection.

| <b>Description</b>                    | <b>Voltage</b> | <b>Duration</b> |
|---------------------------------------|----------------|-----------------|
| Normal operation                      | +6 ... +30 V   | Unlimited       |
| Protection turns on, device turns off | 34 V           | Unlimited       |
| Maximum voltage                       | <70 V          | Unlimited       |
| Maximum voltage impulse               | 90 V           | 5ms             |