

# FMB965



Learn more

WATERPROOF TRACKER WITH LOW POWER CONSUMPTION AND BIG CAPACITY INTERNAL BATTERY

 UP TO 30 DAYS BATTERY LIFE!

 LESS THAN 1mA POWER CONSUMPTION

 IP67 WATERPROOF CASING



## POWER OFF SLEEP MODE

Allows to power off module, which enables the power consumption to less than 1mA

## IP67 CASING

Reliable protection against dust and water

## BACK-UP BATTERY

Big capacity (1200 mAh) internal battery allows device to work without external power source up to 30 days!

## BLUETOOTH 4.0

Bluetooth for external devices and Low Energy sensors



BIKES



TRAILERS



SUVs



WATER TRANSPORT



SNOWMOBILES

FMB965 is easily fitted waterproof tracker with GNSS/GSM internal antennas, flash memory, integrated 1200 mAh backup battery, accelerometer, 1 digital input, 2 digital outputs and various BLE 4.0 connectivity sensors and beacons support.

Thanks to a rich feature set, large battery and IP67 casing this BASIC category tracker delivers unquestionable value for the GPS telematics service providers and end-users.

Easily fitted smart tracker designed for tracking motorbikes, SUVs, boats, snowmobiles, jet skis, and trailers where a waterproof case, large internal battery capacity, and low power consumption are important.



**Module**

Name	Teltonika TM2500
Technology	GSM/GPRS/GNSS/BLUETOOTH

**GNSS**

GNSS	GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS
Receiver	33 channel
Tracking sensitivity	-165 dBm
Position accuracy	< 2.5 CEP
Velocity accuracy	< 0.1m/s (within +/- 15% error)
Hot start	< 1 s
Warm start	< 25 s
Cold start	< 35 s

**Cellular**

Technology	GSM
2G bands	Quad-band 850 / 900 / 1800 / 1900 MHz
Data transfer	GPRS Multi-Slot Class 12 (up to 240 kbps), GPRS Mobile Station Class B
Data support	SMS (text/data)

**Power**

Input voltage range	10 - 30 V DC with overvoltage protection
Back-up battery	1200 mAh Li-Ion battery

**Bluetooth**

Specification	4.0 + LE
Supported peripherals	Temperature and Humidity sensor, Headset, OBDII dongle, Inateck Barcode Scanner, Universal BLE sensors support

**Physical specification**

Dimensions	79 x 43 x 22 mm (L x W x H) 89 x 43 x 22 mm (L x W x H) (length with connector socket)
Weight	74 g

## Interface

Digital Inputs	1
Digital Outputs	2
GNSS antenna	Internal High Gain
Cellular antenna	Internal High Gain
USB	2.0 Micro-USB
LED indication	2 status LED lights
SIM	Nano-SIM
Memory	128MB internal flash memory

## Operating environment

Operating temperature (without battery)	-40 °C to +85 °C
Storage temperature (without battery)	-40 °C to +85 °C
Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP67
Battery charge temperature	0 °C to +45 °C
Battery discharge temperature	-20 °C to +60 °C
Battery storage temperature	-20 °C to +35 °C for 1 month -20 °C to +30 °C for 6 months

## Features

Sensors	Accelerometer
Scenarios	Green Driving, Over Speeding detection, Jamming detection, GNSS Fuel Counter, DOUT Control Via Call, Excessive Idling detection, Unplug detection, Towing detection, Crash detection, Auto Geofence, Manual Geofence, Trip
Sleep modes	GPS Sleep, Online Deep Sleep, Deep Sleep, Ultra Deep Sleep
Configuration and firmware update	FOTA Web, FOTA, Teltonika Configurator (USB, Bluetooth), FMBT mobile application (Configuration)
SMS	Configuration, Events, DOUT control, Debug
GPRS commands	Configuration, DOUT control, Debug
Time Synchronization	GPS, NITZ, NTP
Fuel monitoring	OBDII dongle
Ignition detection	Digital Input 1, Accelerometer, External Power Voltage, Engine RPM (OBDII dongle)
Power off sleep mode	Allows to power off module to reduce power consumption to less than 1mA in a sleep mode

## Certification & Approvals

Regulatory	CE-RED, E-mark, UKCA, Reach, RoHS
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<sup>1</sup>Battery's life last up to 30 days, while data is sending every 4 hours and device is in power off sleep mode