

FMB209



WATER-RESISTANT TRACKER WITH RS232 INTERFACE
AND HIGH-CAPACITY INTERNAL LI-ION BATTERY



IP67

RS232



AVAILABLE IN TWO VERSIONS

Europe with CE RED and E-Mark,
India with compliance to AIS 140

PROTECTION AGAINST DUST AND WATER

Robust IP67-rated casing
provides trusted protection

FUEL MONITORING AND MORE

RS232 serial interface for fuel
monitoring and other external
data reading

PROLONGED AUTONOMOUS USAGE

Large-capacity 800 mAh Li-ion
internal backup battery for
extended device operation time



PUBLIC
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TAXI
TRANSPORT



PUBLIC SAFETY
SERVICES



CAR
RENTAL



HEAVY DUTY
TRANSPORT

FMB209 is water-resistant tracker (IP67) with RS232 data interface which offers a ability to connect various third-party external devices making it perfectly suitable for fuel monitoring. Available in two versions – one for Europe with CE RED and E-Mark certificates and for India compliant with AIS 140 standards. For extended usage scenarios, device supports Bluetooth® Low Energy sensors, beacons, hands-free headset, firmware and configuration update via Bluetooth®.



Module	
Name	Teltonika TM2500
Technology	GSM/GPRS/GNSS/BLUETOOTH® LE

GNSS	
Name	Airoha AG3335MN
GNSS	GPS, NavIC IRNSS (for India), GLONASS, GALILEO, BEIDOU, QZSS
Receiver	L1 and L5 (L5 for India only) dual-band GNSS receiver
Tracking sensitivity	-162 dBm
Position accuracy	< 2.5 m CEP
Velocity accuracy	<0.1m/s (within +/- 15% error)
Hot start	< 1.5 s
Warm start	< 25 s
Cold start	< 32 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 and reverse polarity protection
Back-up battery	800 mAh Li-Ion battery (0.49 Wh)
Power consumption	At 12V < 1.4 mA (Ultra Deep Sleep) At 12V < 3.9 mA (Deep Sleep) At 12V < 4.6 mA (Online Deep Sleep) At 12V < 7.1 mA (GPS Sleep) At 12V < 28.3 mA (nominal)

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

Physical specification

Dimensions	72,5 x 73 x 27,3 mm (L x W x H)
Weight	205 g

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

Interface

Digital Inputs	2
Digital Outputs	2
Analog inputs / Digital inputs	2
RS232	1
GNSS antenna	Internal High Gain
Cellular antenna	Internal High Gain
USB	2.0 Micro-USB
LED indication	2 status LED lights
SIM	Micro-SIM or eSIM
Memory	128MB internal flash memory

Certification & Approvals

Regulatory (Only for Europe)	CE RED, UKCA, E-Mark, RoHS, REACH
Regulatory (Only for India)	EAC