

FMB209

2G TRACKER WITH RS232 INTERFACE
CERTIFIED FOR TRANSPORT IN INDIA



AIS
140

IP67



CERTIFIED FOR TRANSPORT IN INDIA

AIS140-compliant tracker for all public transportation systems in India

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

EXTENDED PRODUCT USAGE SCENARIOS

Bluetooth LE-based wireless connection of external devices



PUBLIC
TRANSPORT



TAXI
TRANSPORT



PUBLIC SAFETY
SERVICES



CAR
RENTAL



HEAVY DUTY
TRANSPORT

FMB209 is a leading-edge AIS 140 certified waterproof tracker with GNSS connectivity and GAGAN support requirements dedicated to the Indian market. Teltonika Telematics has designed this SPECIAL tracker to comply with local regulations and deliver unquestionable value for the local GPS telematics service providers by adding a variety of high-end features.

Made in EU and certified by Automotive Research Association of India (ARAI), FMB209 model has an internal battery, accelerometer and gyroscope, embedded SIM-card, two servers functionality, tamper-proof with IP67 rating robust casing and compatible with a comprehensive time-saving FOTA WEB solution to fulfil a need for swift remote firmware updates, configuration changes and debug procedures.



Module

Name	Teltonika TM2500
Technology	GSM/GPRS/GNSS/BLUETOOTH

GNSS

Name	Airoha AG3335MN
GNSS	GPS, NavIC(IRNSS), GLONASS, GALILEO, BEIDOU, QZSS
Receiver	L1 and L5 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

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