

# Product Specifications:

## FMB920

Features		
	Installation	Requires installation
	Portal	Real time tracking supported by our own <a href="#">tracking platform</a>
	Crash detection	Using the inbuilt accelerometer, track your vehicle and be alerted in the event of a crash
	Eco-driving	Monitor how your efficiency with Eco-driving analysis, by measuring acceleration, braking and cornering
	Speeding detection	Keep your fleet safe by monitoring driver behaviour
	Jamming detection	Disrupt thieves using GNSS jamming to steal from your vehicles
	GNSS Fuel Counter	Measure fuel consumption and the rate of fuel consumption
	Excessive idling detection	Monitor your vehicles idling times and save money
	Unplug detection	Get an alert if the tracker is removed, which stops tampering with the device and ensuring your protection
	Towing detection	Get alerted if your vehicle is being towed
	Geofencing	Get geofencing alerts using user-defined areas
	Sensors	Accelerometer
	Sleep modes	GPS Sleep, Online Deep Sleep, Deep Sleep, Ultra Deep Sleep
	Configuration and firmware update	FOTA WEB, FOTA, Teltonika Configurator (USB, Bluetooth®)
	SMS	Configuration, Events, DOUT control, Debug
	GPRS commands	Configuration, DOUT control, Debug
	Time Synchronization	GNSS, NITZ, NTP
	Fuel monitoring	LLS (Analog), OBDII dongle
	Ignition detection	Digital Input 1, Accelerometer, External Power Voltage, Engine RPM (OBDII dongle)

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

GNSS		
	GNSS	GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS
	Receiver	33 tracking channels 99 acquisition channels
	Tracking sensitivity	-165 dBm
	Position Accuracy	< 2.5 m CEP
	Hot start	< 1 s
	Warm start	< 25 s
	Cold start	< 35 s
	Velocity Accuracy	< 0.1 m/s (within +/- 15% error)

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	6–30 V DC with overvoltage protection
	Internal Back-up battery	170 mAh Li-Ion battery, 3.7 V (0.63 Wh)
	Internal fuse	3A, 125V
	Power consumption	At 12V < 3 mA (Ultra Deep Sleep) At 12V < 4 mA (Deep Sleep) At 12V < 5 mA (Online Sleep) At 12V < 6 mA (GPS Sleep) At 12V < 25 mA (nominal)

Bluetooth technology		
	Specification	4.0 + LE
	Supported peripherals	EYE beacon and sensor, Headset, OBDII dongle, Inateck Barcode Scanner, Bluetooth® LE beacons and sensors support

Interface		
	Digital Inputs	1
	Digital Outputs	1
	Analog Inputs	1
	GNSS antenna	Internal High Gain
	Cellular antenna	Internal High Gain
	USB	2.0 Micro-USB

Interface		
	LED indication	2 status LED lights
	SIM	Micro-SIM
	Memory	128MB internal flash memory

Physical specification		
	Weight	54 g
	Dimensions	79 x 43 x 12 mm (L x W x H)

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	IP54
	Battery charge temperature	0 °C to +45 °C
	Battery discharge temperature	-20 °C to +60 °C
	Operating temperature (with battery)	-20 °C to +40 °C
	Battery storage temperature	-20 °C to +45 °C for 1 month -20 °C to +35 °C for 6 months

Certification & approvals		
	Regulatory	CE/RED, E-Mark, EAC, RoHS, REACH, Anatel, ICASA, SIRIM QAS, SDPPI POSTEL