

Product Specifications: FMB003

Features		
	Installation	Easy, simple, plug-and-play installation that takes seconds, just plug the tracker
		into the OBD port and you are good to go!
[Battery	Contains an internal built-in backup battery in case the tracker is removed from the OBD port
-	Portal	Real time tracking supported by our own tracking platform
	CAN data	Measure all sorts of CAN data such as fuel consumption or coolant temperature
F	Fault code	Know when your vehicle needs repair with fault code diagnostics
	diagnostics	
(Crash detection	Using the inbuilt accelerometer, track your vehicle and be alerted in the event of a crash
E	Eco-driving	Monitor how your efficiency with Eco-driving analysis, by measuring acceleration, braking and cornering
	Speeding detection	Keep your vehicle 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	Monitor your vehicles idling times and save money
	Unplug detection	Get an alert if the tracker is removed from its OBD port, which stops tampering
		with the device and ensuring your protection
1	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, Debug
(GPRS commands	Configuration, Debug
	Time	GNSS, NITZ, NTP
	Synchronization	
	Fuel monitoring	OBD II
	gnition detection	Accelerometer, External Power Voltage, Engine RPM



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	-165 dBM
sensitivity	
Position Accuracy	< 2.5 m CEP
Hot start	<ls< td=""></ls<>
Warm start	< 25 s
Cold start	< 35 s
Velocity Accuracy	< 0.1 m/s (within +/- 15% error)

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

Power	
Input voltage	10–30 V DC with overvoltage and reverse polarity protection
range	
Internal Back-up	į 45 mAh Li-lon battery (0.167 Wh)
battery	
Power	At 12V < 5 mA (Ultra Deep Sleep)
consumption	At 12V < 7 mA (Deep Sleep)
	At 12V < 7 mA (Online Sleep)
	At 12V < 8 mA (GPS Sleep)
	At 12V < 28 mA (nominal)

Bluetooth technology		
Spec	cification 4.0	+ LE
		perature and Humidity sensor, Headset, OBDII dongle, Inateck Barcode nner, Universal BLE sensors support



OBD interface		
	Data reading	Up to 32 vehicle onboard parameters, supported OBD protocols: ISO 9141-2 (5 baud init, 10.4 kbaud) ISO 14230-4 KWP (5 baud init, 10.4 kbaud) ISO 14230-4 KWP (fast init, 10.4 kbaud) ISO 15765-4 CAN (11 bit ID, 250 kbaud) ISO 15765-4 CAN (11 bit ID, 500 kbaud) ISO 15765-4 CAN (29 bit ID, 250 kbaud) ISO 15765-4 CAN (29 bit ID, 500 kbaud)
	Data	K-Line, CAN bus data

Interface	
Connection	OBDII Socket
GNSS antenn	a Internal High Gain
Cellular anter	nna Internal High Gain
USB	2.0 Micro-USB
LED indication	n 2 status LED lights
SIM	Micro-SIM
Memory	128MB internal flash memory

Physical specification		
	Weight	30 g
	Dimensions	52.6 x 29.1 x 26 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	IP41
	Battery charge temperature	0 °C to +45 °C
	Battery discharge temperature	-20 °C to +60 °C



Operating environment		
	Battery storage temperature	-20 °C to +45 °C for 1 month -20 °C to +35 °C for 6 months

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

Product Specifications: Driver ID Token

Physical specification		
	Weight	10g
	Dimensions	36 x 36 x 5.6 mm (L x W x H)
	On/off switch	Yes
	Chip	nRF52

Power				
	Battery size	CR2032		
	Number of	1		
	batteries			
	Battery included	Yes		
	Battery life	14 months, dependant on settings		
	Power range	-30dBm to +4dBM		
	Working current	10.5mA		

perating environment			
	Waterproofing	No	
	Operating modes	Sleep, Normal, Connected	