

# Product Specifications:

## FMT100

Features		
	Installation	Easy self-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 vehicle safe by monitoring driver behaviour
	Jamming detection	Disrupt thieves using GNSS jamming to steal from your vehicles ( <i>Jamming detection supported with SLM320-E and SLM320-LA modules</i> )
	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
	CAN Data	Fuel Level (Dashboard), Total fuel consumption, Vehicle speed (wheel), Vehicle driven distance, Engine speed (RPM), Accelerator pedal position
	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® wireless technology)
	SMS	Configuration, Events, Debug
	GPRS commands	Configuration, Debug
	Time Synchronization	GNSS, NITZ, NTP
	Fuel monitoring	OBDII dongle
	Ignition detection	Accelerometer, External Power Voltage, Engine RPM (OBDII dongle)

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

GNSS		
	GNSS	GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS
	Receiver	33 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, PDU), Network protocols (TCP, UDP, TLS, MQTT)

Power		
	Input voltage range	10 - 30 V DC with overvoltage protection
	Internal Back-up battery	170 mAh Li-Ion battery, 3.7 V (0.63 Wh)

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

Interface		
	Connection	U-Type cable
	GNSS antenna	Internal High Gain
	Cellular antenna	Internal High Gain
	USB	2.0 Micro-USB
	LED indication	2 status LED lights
	SIM	Micro-SIM
	Memory	128MB internal flash memory

Physical specification		
	Weight	63 g
	Dimensions	92.5 x 57.6 x 14 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	IP65
	Battery charge temperature	0 °C to +45 °C
	Battery discharge temperature	-20 °C to +60 °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, UKCA, E-Mark, EAC, RoHS, REACH, IP Rating, Declaration of IMEI assignment, SIRIM QAS, ICASA certificate