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Product Specifications: FMP100

Features		
	Installation	Easy, simple, plug-and-play installation that takes seconds, just plug the tracker into the cigarette lighter port and you are good to go!
	Portal	Real time tracking supported by our own tracking platform
	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
	Excessive idling	Monitor your vehicles idling times and save money
	Unplug detection	Get an alert if the tracker is removed from its cigarette lighter port, 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 (Auto and Manual)
	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
	Ignition detection	Accelerometer, External Power Voltage

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

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

Cellular		
	Technology	GSM
	2G bands	Quad-band 850 / 900 / 1800 / 1900 MHz
	Data transfer	GPRS Multi-Slot Class 12(up to 240 kbps)
	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, Hands-free headset, Inateck Barcode Scanner, Universal Bluetooth® LE sensors support

Physical specification		
	Dimensions	96.7 x 33.4 x 27.5 mm (L x W x H)
	Weight	55.5 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	IP41
	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

Interface		
	Connection	Cigarette lighter socket
	Configurable buttons	1
	GNSS antenna	Internal High Gain
	Cellular antenna	Internal High Gain
	USB	1 x USB 2.0 Micro-USB for configuration 1 x USB type A for external device charging (5V 1A)
	LED indication	RGB LED
	SIM	Nano-SIM
	Memory	128MB internal flash memory

Certification & approvals		
	Regulatory	CE/RED, E-Mark, RCM, REACH, RoHS, SIRIM QAS, SDPPI (POSTEL), Declaration of IMEI assignment