

FMB125

GNSS/GSM/Bluetooth tracker

➤ **Configuration and firmware update**
FOTA Web, FOTA,(USB, Bluetooth),
FMBT mobile application (Configuration)

➤ **Sensors**
Accelerometer

➤ **GPRS commands**
Configuration, DOUT control, Debug

➤ **Rs232 Modes**
Log Mode, NMEA, LLS, LCD, RFIH HID/MF7, Garmin
FMI, TCP ASCII/Binary

➤ **Fuel monitoring**
LLS (Analog), RS232/485 Fuel sensor, LV-CAN200,
ALL-CAN300, CAN-CONTROL, OBDII dongle

➤ **Ignition detection**
Digital Input 1, Accelerometer, External Power
Voltage, Engine RPM (CAN Adapters, OBDII
dongle)

➤ **Sleep modes**
GPS Sleep, Online Deep Sleep, Deep Sleep,
Ultra Deep Sleep

➤ **SMS**
Configuration, Events, DOUT control, Debug

➤ **Time Synchronization**
GPS, NITZ, NTP

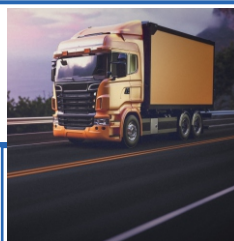
➤ **Rs485 Modes**
Log Mode, NMEA, LLS, TCP ASCII/Binary

➤ **Scenarios**
Green Driving, Over Speeding detection,
Jamming detection, GNSS Fuel Counter, DOUT
Control Via Call, Excessive Idling detection,
Immobilizer, iButton Read Notification, Unplug
detection, Towing detection, Crash detection,
Auto Geofence, Manual Geofence, Trip

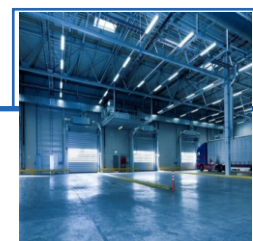
Application



Light Vehicles



Trailer tracking



Heavy Duty Transport

Module

Name	Tm2500
Technology	GSM/GPRS/GNSS/BLUETOOTH

GNSS

GNSS	GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS
Receiver	33 channel
Tracking sensitivity	-165 dBm
Accuracy	< 3 m
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), GPRS Mobile Station Class B
Data support	SMS (text/data)

Power

Input voltage range	10 - 30 V DC with overvoltage protection
Back-up battery	170 mAh Li-Ion battery (0.63 Wh)
Power consumption	At 12V < 6 mA (Ultra Deep Sleep) At 12V < 8 mA (Deep Sleep) At 12V < 11 mA (Online Sleep) At 12V < 20 mA (GPS Sleep) At 12V < 35 mA (nominal)

Bluetooth

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

Physical specification

Dimensions	65 x 56,6 x 18,9 mm (L x W x H)
Weight	52 g

Interface

Digital Inputs	1
Digital Outputser	1
Analog Inputs	1
CAN Adapter inputs	1
1-Wire	1
Rs232	1
Rs485	1
GNSS antenna	External (MMCX connector)
GSM antenna	Internal High Gain
USB	2.0 Micro-USB
LED indication	2 status LED lights
SIM	Dual SIM
Memory	128MB internal flash memory

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

Certification & Approvals

Regulatory	CE/RED, E-Mark, EAC, RoHS, REACH
------------	----------------------------------

Add.: 509, 5th Floor, Fortune Square-II, Daman Road, Landmark TBZ, Chala, Vapi - 396191, Gujarat.

 98252 49766 | 98257 49766 | 89800 17818

Ahemdabad | **B**angalore | **C**hennai | **D**aman | **M**umbai | **N**agpur
7069034346 | 76195 63284 | 8980014344 | 9724375577 | 7069034348 | 9561111233