

G-Patrol FMB920 è un tracker compatto e intelligente con antenne GNSS e GSM High Gain interne e batteria di backup integrata. FMB920 è progettato per il monitoraggio dei veicoli leggeri in applicazioni per famiglie, utenti singoli, telematica assicurativa, auto a noleggio, recupero di auto rubate, servizi di pubblica sicurezza, trasporto di consegna, taxi e molto altro. Ingressi / uscite estendono gli scenari di utilizzo del dispositivo. L'ingresso digitale può essere utilizzato per il monitoraggio dello stato di accensione, porta o pulsante di allarme. L'immobilizzazione remota del veicolo può essere ottenuta utilizzando l'uscita digitale FMB920.

#### 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 6 - 30 V DC with overvoltage protection  
Back-up battery 170 mAh Li-Ion battery (0.63 Wh)  
At 12V < 2 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)

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

#### PHYSICAL SPECIFICATION

Dimensions 79 x 43 x 12 mm (L x W x H)  
Weight 54 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 IP54  
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

#### FEATURES

Sensors Accelerometer  
Scenarios Green Driving, Over Speeding detection, Jamming detection, GNSS Fuel Counter, DOUT Control Via Call, Excessive Idling detection, Unplug detection, Towing detection, Crash detection, Auto Geofence, Manual Geofence, Trip  
Sleep modes GPS Sleep, Online Deep Sleep, Deep Sleep, Ultra Deep Sleep  
SMS Configuration, Events, DOUT control, Debug  
GPRS commands Configuration, DOUT control, Debug  
Time Synchronization GPS, NITZ, NTP  
Fuel monitoring LLS (Analog), OBDII dongle  
Ignition detection Digital Input 1, Accelerometer, External Power Voltage, Engine RPM (OBDII dongle)

#### CERTIFICATION & APPROVALS

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