



# FMS Trace 2K



The Trace 2K device was designed for heavy fleet applications featuring high accuracy tracking device and waterproof, IP66 rating making it suitable for harsh weather and environments. It is equipped with Global Navigation Satellite System (GNSS) which supports both GPS and GLONASS and CDMA GSM modem in order to provide accurate reporting and faster connectivity and instant notification. Through these systems the user can have notifications sent quickly to cloud server or mobile device.

Optional expansions include supporting both WiFi and wireless 2.4 GHz Zigbee. Additionally, the device has RFID to allow for secure driver access; and an external ignition relay to permit the manager to remotely disable the vehicle at any time. As with all of the FMS TECH. products, this device can easily be customized according to the application's specific needs and requirements.

## KEY FEATURES:

- Quad Band, GSM technology to enable quality usage world-wide
- RFID built in for driver access control and security device
- Ingress Protection (IP) rating of IP66 for usage in extreme climates and environments
- Four inputs for sensor and accessory connections and readings
- Accident Sensor compatible for advanced protection and performance
- Internal GNSS antenna for a more durable device
- External ignition relay for vehicle immobilization capabilities
- Proximity sensor is an additional add-on to increase safety and reduce accidents
- Live online tracking for continuous and accurate updates on vehicle location and telematics

## APPLICABLE INDUSTRIES:



Oil and Gas



Municipality



Transport



Rent a car



Customs



Construction



Distribution



Supply chain

PRODUCT CODE: FMS-05112-000

# FMS Trace 2000

## GNSS

GPS/GLONASS	GPS
Satellite Channels	22 SAT / 66 CH
Tracking Sensitivity	-165 dBm
Satellite Acquiring time	
- GPS Hot Start	< 6 sec
- GPS Cold Start	< 30 sec
GNSS Antenna	Internal
Speed (GPS/Gearbox)	GPS

## GSM

GSM Network 2G	GPRS multi-slot Class 12
GSM Network 3G / LTE	Optional
GSM Technology	Quad Band
TCP/IP	Yes
TLS	SSL V3, TLS 1.0, TLS 1.1, TLS 1.2
Voice Support	No
GSM Antenna	Internal

## I/O INTERFACE

Total Inputs	4
Digital/Analog	3
Frequency	0
Ignition	1
Total Outputs	3

## COMMUNICATION INTERFACE

CAN Bus	No
RS232	Yes
RS485	Yes
WiFi	Optional
Zigbee 2.4GHz	Optional

## DRIVER ACCESS CONTROL

Technology	RFID
RFID Frequency	13.56 MHz
RFID Card	HID / TI / MIFARE

## IMMOBILIZATION

Ignition Relay	External
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## INBUILT HARDWARE

Internal Battery	Optional
Internal Memory	4 MB
Internal Buzzer	Yes

## POWER SUPPLY

Input Supply	12V / 24V
Power Consumption (12 V)	
- Active mode	170 mA
- Sleep mode	90 mA
Power Spike Protection	150 V

## ENCLOSURE

IP Rating	IP66
Status Indicators	4 LEDs (GSM, GPS, WL & Power)
Dimensions	140 x 74 x 45 mm
Weight	550 gms

## COMPATIBLE FMS ACCESSORIES

E-Lock	Yes
Fuel Sensor	Yes
Accident Sensor	Yes
Proximity Sensor	Yes
Iridium Satellite	No
In-Cab Camera	No
Panic Button	Yes
Mic & Speaker	No
Bluetooth Headset	Optional

## FEATURES

Live Online Tracking	Yes
Historical Tracking	Yes
Geo-fencing	Yes
Buzzer Alarm	Yes
Remote Immobilization	Yes
Upgradable Hardware	Yes
Number of Events	100
Events Configuration	Limited
Harsh Braking	Yes
Harsh Acceleration	Yes
Vibration (Graded road)	Yes
Movement Detection	Yes
Trailer ID	No
Driver Fatigue	Yes
Tail gaiting	Yes
MP3 Voice Alert	Yes
Harness Cable	Yes
Reports generation	Yes
Number of Reports	30+
Supply from Electric Lighter connection	Optional

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