



# FMS Track 2K+ HID



The FMS Track 2000 Plus Device has Global Navigation Satellite System (GNSS) which supports both GPS and GLONASS providing high accuracy reading and reporting down to 1 meter resolution. With the built-in GSM modem, the device will send vehicle location, vehicle parameters, and notifications to the cloud server and mobile device according to predefined settings, or upon exceeding specific thresholds, or in case of an emergency. Multiple inputs can connect to various sensors in the vehicle to collect a wide range of telematics and statistics data, while the onboard CAN bus allows the user to have easy access to vehicle and diagnostic data.

The device supports driver identification using HID RFID, and optional expansions that includes support for both WiFi and wireless 2.4 GHz Zigbee. As an added benefit; with built-in ignition cut off relay, the user can easily remotely immobilize 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:

- Total thirteen inputs available to provide a wide range of sensor connections and readings
- CAN bus interface to allow for easy access to all the vehicle sensors and readings
- Internal ignition relay built-in for vehicle immobilization capabilities
- HID RFID built-in for driver identification, access control, and security
- Quad Band, 3G, & GSM technology to enable quality usage worldwide
- Power consumption rated at 320 mA with Ignition Relay Device
- Ingress Protection (IP) rating of IP56
- Bluetooth headset compatible to help encourage safe driving
- Proximity sensor is an additional add-on to increase safety and reduce accidents
- Ability to connect with Mono / Dual / Multi Speed Limiter

## APPLICABLE INDUSTRIES:



Oil and Gas



Municipality



Transport



Rent a car



Customs



Construction



Distribution



Supply chain

PRODUCT CODE: FMS-01112-002

# FMS Track 2K+ HID

## GNSS

GPS/GLONASS	GPS & GLONASS
Satellite Channels	22 SAT / 12CH
Tracking Sensitivity	-165 dBm
Satellite Acquiring Time	
- GPS Hot Start	<6 sec
- GPS Cold Start	<30 sec
GNSS Antenna	External
Speed	GPS, Gearbox, & CAN Bus (Auto swap speed source)

## GSM

Data Connectivity	GPRS Multi-slot Class 12
Network	2G Upgradable to 3G/4G/LTE
Operating Frequency	GSM850/EGSM900/ DCS1800/PCS1900 MHz
TCP/IP	Yes
TLS	SSL V3, TLS 1.0, TLS 1.1, TLS 1.2
Voice Support	Yes
GSM Antenna	External

## I/O INTERFACE

Total Inputs	13
Digital/Analog	9
Frequency	3
Ignition	1
Total Outputs	2

## COMMUNICATION INTERFACE

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

## IMMOBILIZATION

Ignition Relay	Internal
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## POWER SUPPLY

Input Supply	12V / 24V
Power Consumption (12V)	
- Active mode	320 mA with Relay
- Sleep mode	120 mA
Power Spike Protection	55 V

## ENCLOSURE

IP Rating	IP56
Status Indicators	4 LEDs (GSM, GPS, WL & Power)
Dimensions	136 x 85 x 37 mm
Weight	1,150 gms
Tamper Proof	99.98% Yes

## SUPPORTED SOLUTIONS (Optional)

E-Lock	Yes
Fuel Level Sensor	Yes
Proximity Sensor	Yes
Iridium Satellite	Yes
In-Cabin Camera	Yes
Panic Button	Yes
Mic & Speaker	Yes
Bluetooth Headset	Yes
Tire Pressure Sensor	Yes
Driver Fatigue Monitoring	Yes
Multiple Speed Limiter	Yes
Lateral Skidding Sensor	Yes
Advanced Driver Assistance System	Yes
Smart Streaming Camera (FMS Eagle Eye)	Yes
Hands-Free 2-Way Communication	Yes
Temperature Sensor	Yes

## DRIVER IDENTIFICATION

Driver Identification	Yes
Driver Identification Technology	HID RFID

## DRIVER ACCESS CONTROL

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

## INBUILT HARDWARE

Internal Battery	Optional
Internal Memory	4 MB
Internal Buzzer	Yes
Accelerometer	Yes

## FEATURES

Live Online Tracking	Yes
Historical Tracking	Yes
Geo-Fence	> 5,000
Geo-Points	> 50,000
Buzzer Alarm	Yes
Remote Immobilization	Yes
Upgradable Hardware	Yes
Number of Events	100
Events Configuration	Unlimited
Harsh Braking	Yes
Harsh Acceleration	Yes
Vibration (Graded Road)	No
Movement Detection	Yes
Trailer ID	Yes
Tailgating	Yes
MP3 Voice Alert	Yes
Harness Cable	Yes
Reports Generation	Yes
Number of Reports	60+
Supply from Electric Lighter Connection	Optional
Upgrade Firmware	Serial & OTA
Upload Configurations	Serial & OTA
Data Transfer via Satellite	Yes
IoT Connectivity	Yes

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