



# FMS Track 2K Plus IoT



The FMS Track 2K+ IOT uses the FMS Track 2K+ as a base platform and integrates MQTT lightweight publish and SMTP, JSON data structure, and SSL security certificate to meet the new advanced requirements for IoT.

The Device has Global Navigation Satellite System (GNSS) which supports both GPS and GLONASS in order to provide high accuracy down to 1 meter resolution and integrated CDMA 2G/3G modem. Through these systems the user can have notifications sent quickly to the cloud server or mobile device. Multiple inputs can connect to

various sensors in the vehicle to collect a wide range of telematics and statistics, while the onboard CAN bus allows the user to have easy access to any detail of the vehicle at any time. The device supports driver identification using RFID, and optional expansions including supporting both WiFi and wireless 2.4 GHz zigbee.

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:

- Thirteen total inputs available to provide a wide range of sensor and accessory connections and readings
- CAN bus interface to allow for easy access to all the vehicle sensors and readings
- RFID built in for driver access control and security
- Power consumption rated at 230mA
- Quad Band, GSM technology to enable quality usage world-wide
- External ignition relay for vehicle immobilization capabilities
- Meets the new advanced requirements for IOT.
- Device Ingress Protection (IP) rating of IP54
- 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-01112-003

# FMS Track 2K Plus IoT

## GNSS

GPS/GLONASS	GPS & GLONASS
Satellite Channels	22SAT/12CH
Tracking Sensitivity	-165 dBm
Satellite Acquiring time	
- GPS Hot Start	< 6 sec
- GPS Cold Start	< 30 sec
GNSS Antenna	External
Speed (GPS/Gearbox)	GPS & Gearbox

## GSM

GSM Network 2G	GPRS multi-slot Class 12
GSM Network 3G/LTE	Optional
GSM Technology	Quad Band
TCP/IP	Yes
TLS	MQTT,JSON,TLS1.2
Voice Support	Yes
GSM Antenna	External

## I/O INTERFACE

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

## COMMUNICATION INTERFACE

CAN Bus	Yes
RS232	Yes
RS485	No
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	320 mA with Relay
- Sleep mode	120 mA
Power Spike Protection	55V

## ENCLOSURE

IP Rating	IP54
Status Indicators	4 LEDs (GSM,GPS, WL & Power)
Dimensions	136 x 85 x 37 mm
Weight	1,260 gms

## COMPATIBLE FMS ACCESSORIES

E-Lock	Yes
Fuel Sensor	Yes (CAN-BUS)
Accident Sensor	No
Proximity Sensor	Yes
Iridium Satellite	Yes
In-Cab Camera	Optional
Panic Button	Yes
Mic & Speaker	Yes
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	Unlimited
Harsh Braking	Yes
Harsh Acceleration	Yes
Vibration (Graded road)	No
Movement Detection	Yes
Trailer ID	Yes
Driver Fatigue	Yes
Tail gaiting	Yes
MP3 Voice Alert	Yes
Harness Cable	Yes
Reports generation	Yes
Number of Reports	60+
Supply from Electric Lighter connection	Optional

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