



# FTC134

Next-generation 4G LTE Cat 1 GPS tracker with flexible inputs and enhanced GNSS accuracy



Trailer  
security and  
tracking



Last mile  
delivery  
services



International  
logistics  
solutions



Industrial  
machinery



Electric  
vehicle  
management

**HIGHER GNSS ACCURACY**

More precise GNSS with up to 41 visible satellites, enabling considerably higher tracking quality for location-based services

**FLEXIBLE PINOUT USAGE**

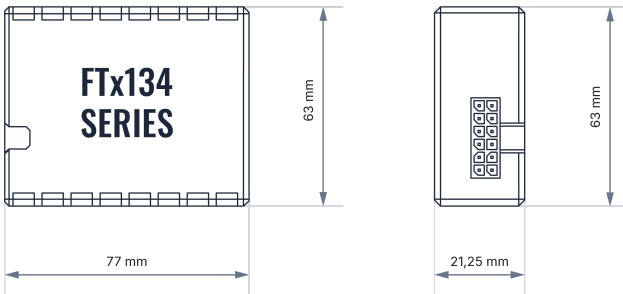
Customisable pinouts let you choose how to use them – set up inputs based on your specific needs, whether for temperature monitoring, ignition detection, or door sensors

**EXTENDED PRODUCT USAGE SCENARIOS**

Bluetooth® LE-based wireless connection of external devices, including Low Energy beacons and sensors, to monitor temperature, humidity, magnet detection, and movement

**LONGER PERFORMANCE, SLOWER DRAINAGE**

Optimised sleep modes allow the device to operate on its own for an extended period of time and significantly reduce vehicle battery drainage



### Product

Model name	<b>FTC134-MDAB0</b> <b>FTC134-MEAB0</b>
------------	--

### Module

Name	<b>FTC134-MDAB0:</b> MeiG SLM336-E <b>FTC134-MEAB0:</b> MeiG SLM336-L
Technology	LTE CAT 1/GSM/GPRS/GNSS/BLUETOOTH® LE

### GNSS

GNSS	GPS, GLONASS, GALILEO, BEIDOU
Receive type	135 tracking/acquisition channels
Tracking sensitivity	-165 dBm
Position Accuracy	< 1.5 m CEP
Velocity Accuracy	< 0.1 m/s (within +/- 15% error)
Hot start	< 1s
Warm start	< 25s

**Cellular**

---

Technology	LTE CAT 1/GSM
2G bands	<b>FTC134-MDABO:</b> GSM: B2/B3/B5/B8 <b>FTC134-MEABO:</b> GSM: B2/B3/B5/B8
4G LTE bands	<b>FTC134-MDABO:</b> LTE-FDD (CAT1): B1/B3/B5/B8/B20/B28 <b>FTC134-MEABO:</b> LTE-FDD (CAT1): B2/B3/B4/B5/B7/B8/B28/B66
Data transfer	LTE FDD (CAT 1): Max. 10 Mbps (DL) / Max. 5 Mbps (UL) GSM (GPRS): Max. 85.6 Kbps (DL) / Max. 85.6 Kbps (UL)
Transmit power	Class 4 for GSM850/900: 33±2dBm Class 1 for GSM1800/1900: 30±2dBm Class 3 for LTE FDD: 23±2.7dBm
Data support	SMS (TEXT, PDU), Network protocols (TCP, UDP)

---

**Data codec**

---

Codec support	Codec 8 Extended
---------------	------------------

---

**Power**

---

Input voltage range	8-32 V DC
Internal Back-up battery	320mAh Li-Ion battery, 3.7V (1.184 Wh)
Internal fuse	3A, 125V
Power consumption	At 12V < 25 mA (nominal with no load) At 12V < 0.25A Max (with full Load/Peak)

---

**Bluetooth® Technology**

---

Specification	5.4 + LE
---------------	----------

---

**Physical specification**

---

Dimensions	77 x 63 x 21.25 mm (L x W x H)
Weight	73.7g

---

**Operating environment**

Operating temperature (without battery)	-30 °C to +85 °C
Storage temperature (without battery)	-30 °C to +85 °C
Operating temperature (with battery)	-20 °C to +60 °C
Storage temperature (with battery)	-20 °C to +60 °C
Operating humidity	65 ± 20% non-condensing
Ingress Protection Rating	IP41
Battery charge temperature	0 °C to +45 °C
Battery discharge temperature	-20 °C to +60 °C
Battery storage conditions	-10 °C to +50 °C for 1 month -10 °C to +35 °C for 3 months 0 °C to +30 °C for 12 months

**Interface**

Digital Inputs	4
Negative Inputs	1
Digital Outputs	3
Analog Inputs	4
1-Wire	1
	1*
CAN	Pinouts are software-defined, configurable pins that can be selected based on the user scenario. For more information, refer to the FTC134 pinouts section.
GNSS antenna	Internal High Gain
Cellular antenna	Internal High Gain
USB	USB 2.0 USB Type-C
LED indication	2 status LED lights
SIM	Nano-SIM
Memory	128MB internal flash memory

## Features

---

Sensors	Accelerometer
Scenarios	Eco Driving, Over Speeding, Idling Detection, Immobilizer, Unplug Detection, Jamming Detection, Crash Detection, Dallas Sensor Support, Towing Detection
Sleep modes	Online Deep Sleep, Deep Sleep, Power Off Sleep
Configuration and firmware update	FOTA WEB, Telematics Configuration Tool (TCT)
SMS	Configuration, DOUT control, Debug
GPRS commands	Configuration, DOUT control, Debug
Time Synchronization	GNSS, NITZ, NTP
Ignition detection	Digital Input 1, Accelerometer, External Power Voltage

## Certification & approvals

---

Regulatory	<b>*FTC134-MDAB0:</b> CE/RED, UKCA, E-Mark, RCM <b>*FTC134-MEAB0:</b> Anatel  *In progress
------------	---