GOSAFE

GTU100
BASIC FLEET TRACKER

APPLICATIONS

Fleet Management

Insurance Telematic

Asset Management

Stolen Vehicle Recovery

Gosafe®

your trusted partner

GTU100
TRUCK GPS TRACKER

KEY FEATURE

- ⊙ LTE Cat with Global 2G, LTE Cat M-1
- ⊙ Crash Data up to 100Hz
- ⊙ BLE 4.2 for Wireless Sensor(coming soon)
- ⊙ WIFI Location where GPS is not available(coming soon)
- ⊙ 200 Hardware based Geo-Fences
- ⊙ Driving Behavior
- ⊙ 1-Wire Interface
- ⊙ Multiple Input & Outputs
- ⊙ Internal Backup Battery

YOUR BENEFIT

- ⊙ Get visibility of insured fleet
- ⊙ Improves efficiency and productivity
- ⊙ Accident reconstruction with crash data
- ⊙ Increases driver safety
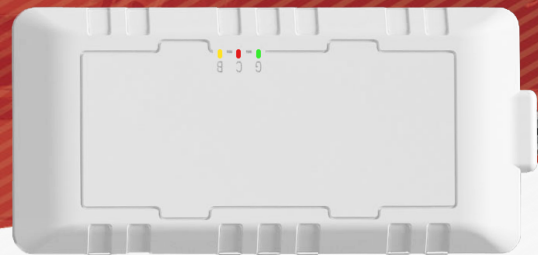
Basic Fleet Tracker

GTU100 is a proven fleet tracker designed for light and commercial fleets that need high-speed connectivity with the backend to offer turn-by-turn sensor data. GTU100 is a compact device with easy programming rules to address all the requirements of fleet owners and service providers.

Features

4G connectivity with fallback 2G

WiFi Location

Bluetooth 4.2 for sensor

I/O Multiple interface for various monitoring and control

100 Hz Crash data

Driver behavior monitoring

SPECIFICATIONS

GENERAL

Communication Mode	LTE/GPRS and TCP/UDP/SMS
Location Technology	56 Channels GNSS
Operating Voltage	12 and 24 Volt Vehicle Systems

CELLULAR

Data Support	SMS, TCP, UDP
LTE CAT-1	B1/ 2/ 3/ 4/ 5/ 7/ 8/ 12/ 13/ 17/ 18/ 19/ 20/ 25/ 26/ 28/ 66
LTE Power	Class 5 (20dBm)
LTE Data	CAT-1: DL: 10Mpbs, UL: 5Mbps
GSM/3G	850/900/1800/1900 Mhz
GPRS Power	Class 10
SIM Card	1.8/3.3V

INTERFACE

Digital Inputs	One Digital inputs
Ignition Sense	One dedicated wire for Ignition
Programmable Input	One configurable input to negative trigger digital input or analog input
Analog Input	One dedicated analog input
Latched Digital O/P	One digital output with internal latch circuit, open drain, 150mA drive max
1-Wire® Solution	1-Wire® interface (Driver ID)
Status LEDs	GPS, Cellular, Power
BLE 4.2	for Wireless Sensor

CONNECTORS, SIM CARD ACCESS

Connector Type	8 Wires
Mini USB	1 Mini USB (configuration/debug)
GPS Antenna	Internal
GSM Antenna	Internal
SIM Card	Internal (4FF)

ON BOARD

CPU	ARM Cortex M3
Flash Memory	4Mbit (8000 records)
3D Accelerometer	On Board

PHYSICAL

Dimensions	92*45*19.5mm
Weight	85g

GPS

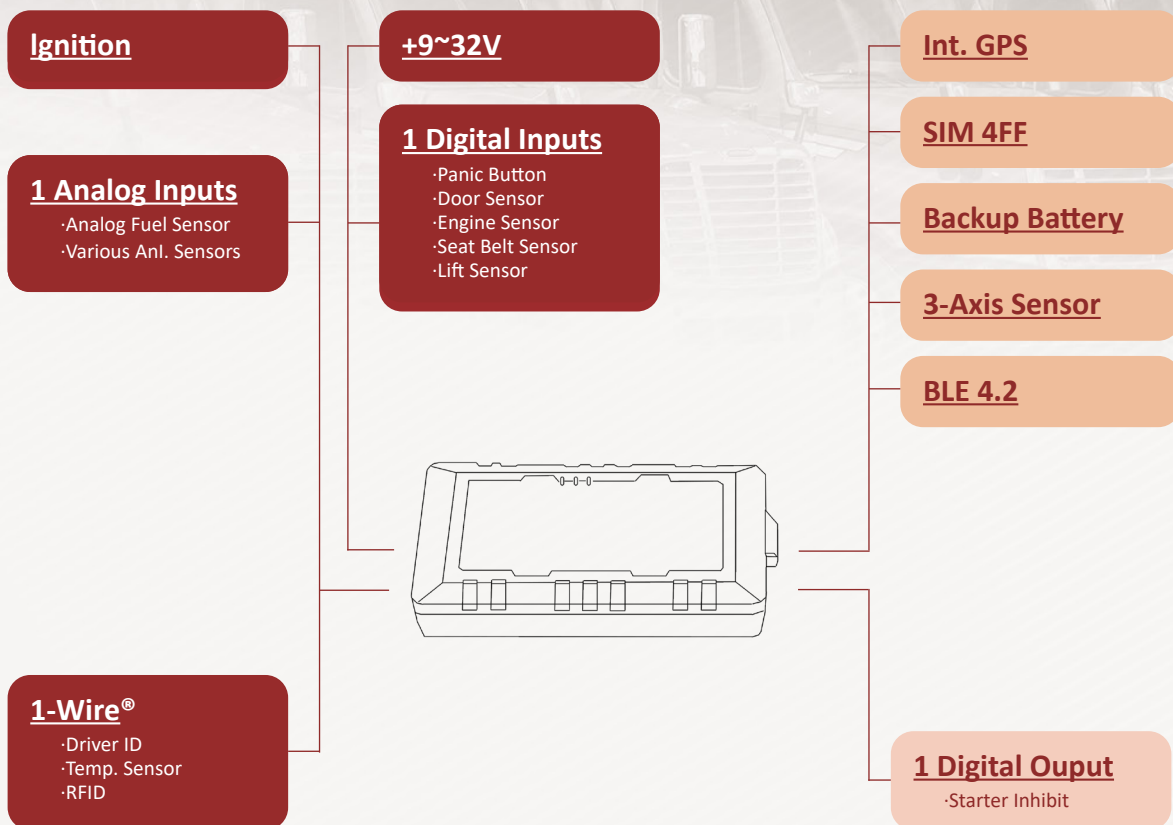|	
Location Technology	GPS Engine
	GPS/Glonass/Galileo/BeiDou
	GPS/QZSS L1 C/A, Glonass L10F
	BeiDou B1, Galileo E1 B/C
	SBAS L1 C/A: WAAS, EGNOS, MSAS, GAGAN
Concurrent GNSS	3
Update Rate	1 Hz
Channels	56
Tracking sensitivity	-167dBm
Cold Start Open Sky	30S
Aided Start	2S
Reacquisition	1S
Assisted GPS	Supported
Antenna	Patch Internal

ELECTRICAL

Operating Voltage	8-40V DC operational for 12V & 24V Vehicle support per SAE J1455
Power Consumption	3mA 12V (Sleep)
	60mA 12V (Power Save)
	120mA 12V (Active Tracking)
Backup Battery	LI-PO 220mAh (Optional)
	Battery Recharging Range is 0 to +45ºC

45mm

92mm

19.5mm
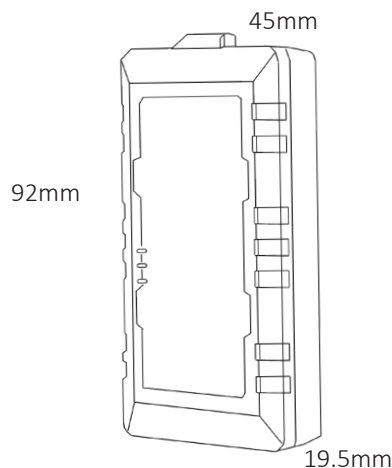
ENVIRONMENTAL

IP Rating	IPX5
Operating Temperature	-40 ~ +85°C (without Backup Battery) -10 ~ +50°C (with Backup Battery)
Humidity	95%RH @ 50°C non-condensing
Shock & Vibration	U.S. Military Standards 202G and 810F, SAE J1455
EMC/EMI	SAE J1113; FCC–Part 15B
RoHS	Compliant (Optional)

Applications

Ignition

+9~32V

Int. GPS

1 Analog Inputs
·Analog Fuel Sensor
·Various Anl. Sensors

1 Digital Inputs
·Panic Button
·Door Sensor
·Engine Sensor
·Seat Belt Sensor
·Lift Sensor

SIM 4FF

Backup Battery

3-Axis Sensor

BLE 4.2

1-Wire®
·Driver ID
·Temp. Sensor
·RFID

1 Digital Ouput
·Starter Inhibit

Ordering Models

Model	Connectivity	Region
GTU100-LTA	LTE CAT-1	LATAM Version
GTU100-LT	LTE CAT-1	EMEA-ANZ Version
GTU100-LTE	LTE CAT-1	NA Version
GTU100	LTE CAT-M	NA Version

Gosafe Company Limited

📞 +86 (20) 8200-6896

✉ info@gosafesystem.com

🖋 www.gosafesystem.com

🏷 RM C1-1103-1104, Innovation Building, No.182 Kexue Ave.,
Science & Tech City, Guangzhou-510663, China