

GTU60

ECONOMICAL TRACKER

"One Device for All Telematics Needs"

1

Unified Device

6+

Use Cases

40%

Lower TCO

IP65

Protected

Economical Fleet Tracker

GTU60 is an economical and versatile fleet-tracking device designed with a core objective: **one device, multiple possibilities**. It supports multiple I/O interfaces, BLE 5.2, serial port, and 1-Wire connectivity — integrating with a wide range of sensors to meet any fleet-management requirement.

APPLICATIONS

Fleet Management

GPS + Fuel + Driver scoring

UBI Insurance

Driving score + crash @10Hz

Car Rental

Starter cut + zone alerts

Logistics

Temp + fuel + live ETA

Stolen Vehicle

Tow alarm + 4G tracking

Buy Here Pay Here

Starter inhibit + geofence

4G LTE

2G Fallback

BLE 5.2

1-Wire

RS232/485

IP65



Everything Built In. Nothing Left Out.

CORE FEATURES

LOW COST

Low-Cost Unified Device

One device replaces multiple SKUs — up to 40% lower total cost of ownership. One SKU, one supplier, one support contact.

GPS

Assisted GPS + Multi-GNSS

GPS, BeiDou, GLONASS — 32 channels, <10m accuracy, 1s hot start. Internal patch antenna. Assisted GPS for faster acquisition.

4G/2G

4G LTE + 2G Fallback Connectivity

LTE CAT-1 primary with automatic 2G fallback. EMEA and LATAM regional band variants. SMS + TCP data support.

BLE

Bluetooth 5.2 Wireless Sensors

BLE 5.2 integration for wireless sensor connectivity — fuel, temperature, driver ID — without external gateway hardware.

I/O

Multiple Interface & I/O

Analog input, digital I/O, serial RS232/485, 1-Wire. Connect fuel sensors, CANBUS, TPMS, RFID, axle load, and more.

IMU

Crash Data @ 10 Hz

15 seconds of pre and post-crash data captured at 10Hz. 3-axis internal sensor. Insurance-grade accident reconstruction.

DRV

Driver Behavior Monitoring

Harsh braking, acceleration, cornering detection. Advanced driving score per trip for coaching, safety, and insurance programs.

SOS

Panic Button / Digital Input

Hardwired digital input for panic/SOS button. Essential for driver safety, rental, and emergency service applications.

OTA

FOTA Remote Updates

Over-the-air firmware and configuration updates. Remote deployment management via GICUS platform — zero field visits required.

YOUR BENEFITS

Extend Your Product Portfolio

One device covers fleet, insurance, rental, logistics, emergency, and driver safety — with one hardware investment and one support relationship.

Reduce Total Cost by up to 40%

One SKU eliminates multi-vendor procurement, fragmented warehousing, and redundant support contracts across your entire operation.

Deploy 3x Faster at Any Scale

One install workflow for every vehicle type. Commission a device in 12 minutes. Field teams need training on one device only — ever.

Flexible Wired or Wireless Sensors

Fuel, temperature, driver ID, TPMS, RFID, humidity — wired via serial port/1-Wire, or wireless via BLE 5.2. No external sensor gateway required.

Use State-of-the-Art Technology

BLE 5.2, LTE CAT-1, 10Hz crash IMU, FOTA, IP65 — professional-grade telematics intelligence at an economical price point.

CONNECTED ECOSYSTEM

GTU60

Unified Hub Device

Sensors

BLE + Wired I/O

Connectivity

4G / LBS / WiFi

Platform

GICUS + Protocol

Device + Sensors + Connectivity + Platform — working as one

Complete Specification Reference

GNSS / POSITIONING

Technology	GPS · BeiDou · GLONASS
Channels	32-channel GPS
Tracking Sensitivity	-162 dBm
Acquisition Sensitivity	-148 dBm
Location Accuracy	< 10 m
TTF Cold Start	35s avg (open sky)
TTF Hot Start	1 second
Assisted GPS	Supported
GPS Antenna	Internal Patch Antenna

CELLULAR CONNECTIVITY

Standard	LTE CAT-1 / GPRS
EMEA Bands (4G+2G)	B1/B3/B5/B7/B8/B20
LATAM Bands (4G+2G)	B1/B2/B3/B4/B5/B7/B8/B28/B66
EMEA Bands (4G Only)	B1/B3/B5/B7/B8/B20/B28
GSM 900 Power	Class 4 (33 dBm ±2 dB)
DCS 1800 Power	26 dBm ±3 dB
LTE CAT-1 FDD Power	23 dBm ±2 dB
Data Support	SMS, TCP
Cellular Antenna	Internal

ELECTRICAL

Input Voltage	+9V ~ +90V DC
Backup Battery	3.7V / 220mAh
Backup Duration	~2 Hours
Power (Moving)	25mA @ 12V avg
Power (Static)	4mA @ 12V avg

PHYSICAL

Dimensions	78 × 33 × 15 mm
Weight	40g (1.41 oz)
IP Rating	IP65
Voltage Range	+9V ~ +90V DC
Connector	10-pin harness

ENVIRONMENTAL

Working Temp.	-20°C to +75°C
Storage Temp.	-40°C to +85°C
Humidity	95% R.H. @ 50°C
Water Resistance	IP65 Certified

WIRELESS & SENSOR

Bluetooth	BLE 5.2
3-Axis Sensor	Internal IMU
1-Wire	Driver ID + Temp ×4
Crash Sampling	10 Hz (15s pre+post)

INTERFACE PINOUT

Power Supply	+9V ~ +90V DC	Digital Output 1	Starter inhibit	1-Wire	Driver ID, Temp ×4, RFID
GND	Ground	Digital Output 2	Relay / Buzzer / LED	SIM Card	Internal 4FF Nano SIM
Digital Input	Panic / Door / Ignition	Analog Input	0~36V (fuel, axle load)	USB Port	Configuration & debug
Ignition	Ignition detection	Serial Port (UART)	RS232/485 – CANBUS	LED Indicators	Power / Cellular / GPS

GENERAL

Communication	LTE-CAT1 / GPRS
GNSS Systems	GPS · BeiDou · GLONASS
Message Buffer	3,000 messages
Protocol	Time / Angle / Event
OTA / FOTA	Supported

REPORTING & EVENTS

Power On Report	Supported
Tow Alarm	Supported
Driving Behavior	Supported
Crash Data	15s pre + 15s post
Crash Rate	10 Hz sampling
Geo-fence Events	Supported

DIMENSIONS & WEIGHT



— | 78 mm | — | | 33 mm | | 15 mm deep

40g Weight	IP65 Protection	+9~90V Input DC
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One Device. All Use Cases.

USE CASE APPLICATIONS

FLEET

Fleet Management

GPS + LBS tracking, fuel monitoring, driver ID, driving score, geo-fence, route optimization.

4G/LTE · BLE · 1-Wire

UBI INSURANCE

Usage-Based Insurance

PAYD/PHYD/UBI programs: driving scoring, crash reconstruction, certified mileage tracking.

4G/LTE · 10Hz IMU

STOLEN VEHICLE

Stolen Vehicle Recovery

Continuous 4G tracking, tow alarm, ignition alert. Compact, discreet. EMEA + LATAM bands.

4G/LTE · 2G Fallback

CAR RENTAL

Car Rental

Starter cut relay (Digital Output 1), zone violation alerts, odometer data, BLE sensor support.

4G · Starter Inhibit

BHPH

Buy Here Pay Here

Starter inhibit for payment compliance, geo-fence monitoring, tow detection, location tracking.

4G/LTE · Digital Output

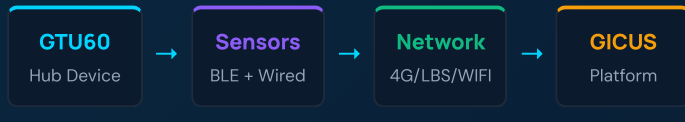
LOGISTICS

Logistics Management

Full suite: GPS, fuel monitoring, temperature sensor, driver ID, driving score, OTA management.

4G · BLE · 1-Wire · FOTA

CONNECTED ECOSYSTEM ARCHITECTURE



Supported Sensors (Wired or Wireless via BLE 5.2):

- Temperature
- Humidity
- Fuel Level
- Tilt / Rotation
- Door Status
- Driver ID
- CANBUS
- TPMS
- RFID
- Axle Load
- Spare Battery

GICUS Platform Capabilities:

- Device Configuration
- Firmware Management
- FOTA Over-the-Air
- Fleet Analytics

Ordering Models

Model	Connectivity	Region
GTU60-LTA	LTE CAT-1 (4G Only)	LATAM
GTU60-LT	LTE CAT-1 (4G Only)	EMEA
GTU60-L2A	LTE CAT-1 (4G+2G)	LATAM
GTU60-L2	LTE CAT-1 (4G+2G)	EMEA

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Specifications subject to change without notice. For the latest information, visit www.gosafesystem.com

"One Device. Multiple Possibilities."