

CRUISE MONITORING DEVICE GT-S8 4G

Compliant with QCVN 31:2014/BGTVT



1. INTRODUCTION

Compact design with powerful performance, GT-S8 is a journey monitoring device with many advantages, because it is inherited many modern technologies from previous products. In particular, with the design of the GPS receiver block from the chipset for faster positioning speed and more accurate positioning, it only supports advanced 4G LTE network, providing high data transmission speed and more stable connection. At the same time, the device has a built-in GPS antenna and LTE antenna inside to limit external influences, so the device works better.

The device has an alarm feature for forgetting to swipe an RFID driver's card, limiting administrative violations according to regulations. Monitor time and fuel consumption when the vehicles stop running to reduce operating costs and increase fleet management quality. With the advantage of easily upgrading features as required, GT-S8 has become a smart solution in fleet management strategy.

2. GENERAL



64g



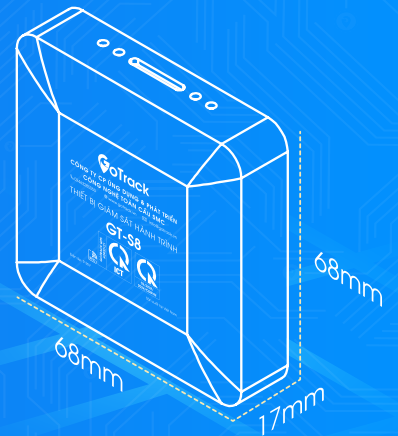
-20°C ~ +85°C ±0.5%



Nano SIM



eSIM (optional)



3. BASIC FEATURES

4G LTE CAT1

The device only transmits data within the 4G LTE network coverage area



Design GPS receiver block from Chipset

Improve GPS quality with advanced techniques, giving faster location positioning speed and higher accuracy



Protect the battery

Automatically stop using electricity from the battery when the voltage drops below the safety threshold



Monitor consumption when the engine stops running

Monitor time and fuel consumption when the vehicle stops running



Fuel and temperature sensors (optional)

Monitor changes in fuel and temperature, detect unusual cases, and limit additional costs



Detect door status

Insightful and useful monitoring of fleet status, receive alerts when doors are opened/closed unexpectedly



RFID reader

Manage the driver's working time, and track and determine the driver's identity



Many alerts

Receive instant alerts when entering/exiting geo-fence, abnormal vibration, moving, speeding, disconnecting power source,...



4. ADVANCED FEATURES

eSIM integration (optional)

eSIM is soldered directly on the board, saving space and ensuring a stable connection



Super-capacitor support (optional)

Alert of early loss of external power



Upgrade upon request (optional)

Customize and upgrade hardware and software as required



5. APPLICATION

GT-S8



Truck Management



Construction Vehicles Management







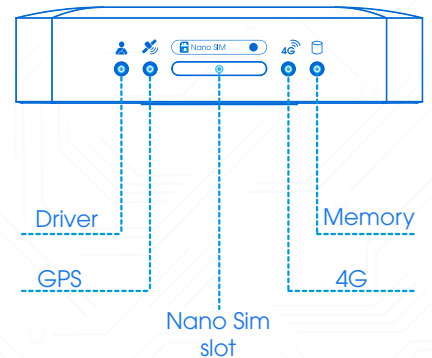
Buses Management



Logistics

6. LED INDICATOR

LED	Type of light, flash	Status
 Driver	Steady light	Driver is logged in
	Slow flash	Vehicle runs without driver logged in
	Fast flash	Card reader has a problem
 GNSS	Slow flash	Good signal, able to update real-time location
	Steady light	Signal scanning
	Fast flash	In the sleeping status
 4G CELLULAR	Slow flash	The server connection process was successful
	Steady light	The data network has been registered and the procedure to connect to the data server is in progress
 MEMORY	Steady light	Normal memory
	Fast flash	Accessing memory

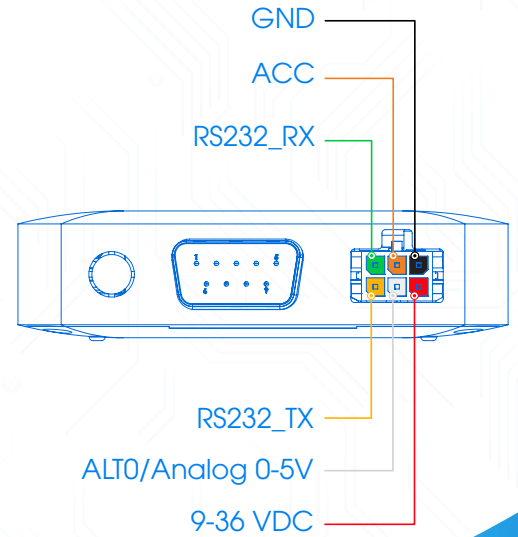


7. SOUND INDICATOR

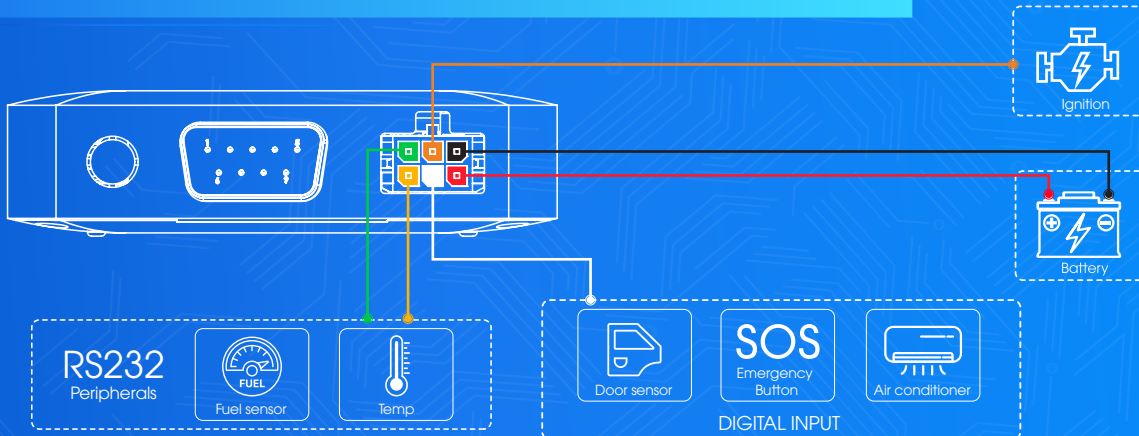
NO	Indicator Features	Description
1	1 beep	The device has just been powered on
2	1 beep, 1 minute/time	The vehicle is moving and no driver is logged in
3	2 beep	The driver just logged in
4	3 beep	The driver just logged out
5	Fast, continuous beeps	Break the speed limit
6	Slow, continuous beeps (1s/time)	Break the continuous driving time
7	Continuous beeps (500ms/time)	Break the continuous driving time and the speed limit

8. SIGNAL GATE

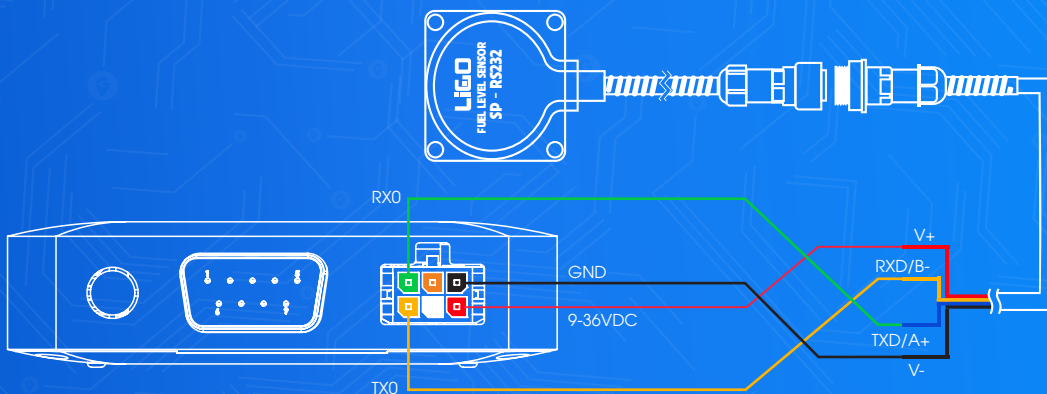
Battery	Color	Description
RS232_TX	Yellow	Connect to RX and TX (cross connection) of RS232 communication standard sensor
RS232_RX	Green	
ALTO	White	Digital input with configurable active level
ADC IN		Similar input 0-5 VDC
ACC	Orange	Connect to the signal wire of vehicle's ignition, positive pole
VDC_in	Red	Connect to positive voltage 12/24 VDC
GND	Black	Connect to Mass



9. PERIPHERAL CONNECTION DIAGRAM



10. SENSOR CONNECTION DIAGRAM



QR SCAN

To access the G1-S8 on website

