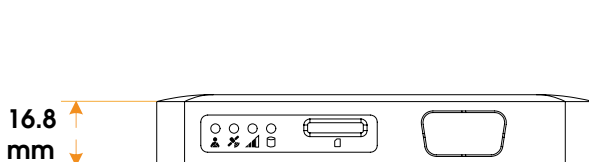
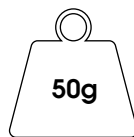
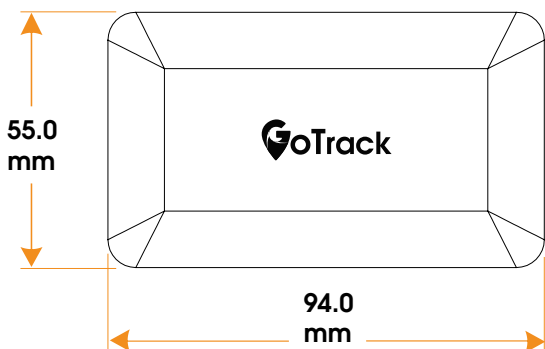




GPS TRACKING DEVICE S200

Feature S200



-20÷85oC ±0.5%

Basic

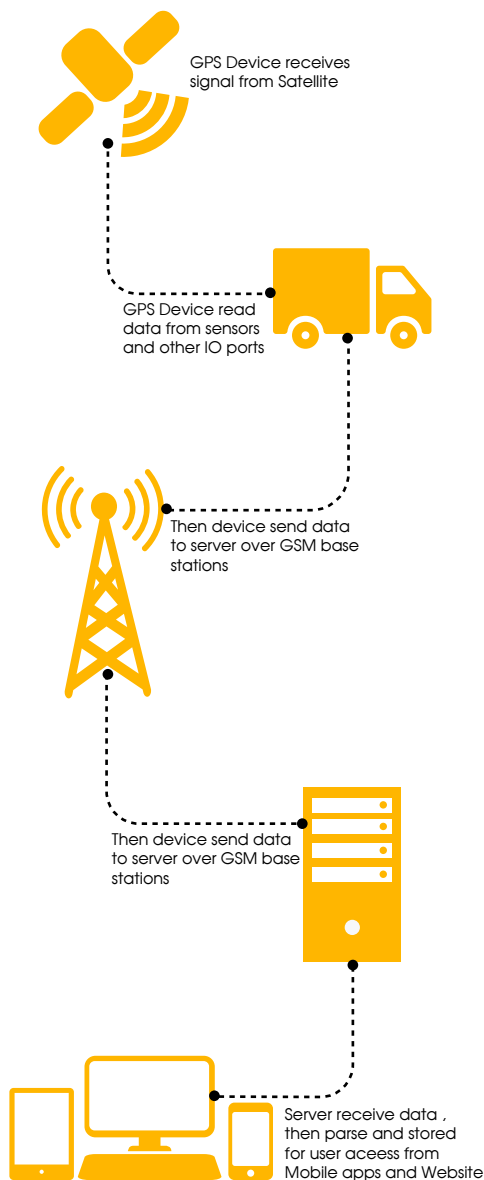
Real - time
online
tracking

- Realtime Location, History backup Locations
- Fuel Sensor
- Capture photos from Cameras
- Temperature Sensor
- Driver Identification with RFID card
- Monitor Vehicle Battery and other IO signal

Advanced

- Upgrade firmware with OTA Support
- Run multiple sensors at the same time
- Expanding according to customer requirements

S200 How does it work?



Specifications

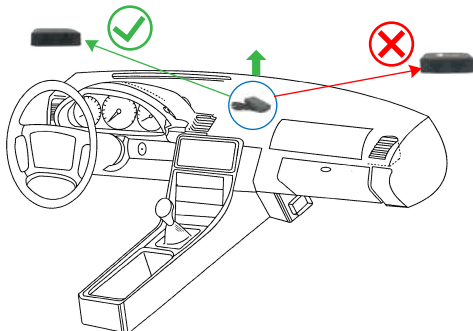
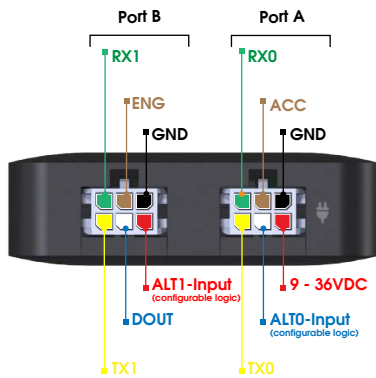
Operating environment		
Temperature	Working range	20÷85±0.5%
	Storage	0÷60°C
Humidity		5÷90%±2.5%
Electrical characteristics		
Operating voltage range		9÷36VDC
Rated supply voltage		12/24VDC
Consumption Current	Active	48÷60mA
	Idle	22÷24mA
	GPS sleep	10/12mA
		@12VDC
Protection function	Protect from short-circuit and over-current events	
	Protect from over-voltage	
	Reverse polarity	
Backup battery	Pin Li-Poly	Optional
	Supercapacitors : 0.1F 3v6	Integrated
Digital output		Maximum load current: 50mA Maximum voltage: 24VDC
Digital input		0 - 36 VDC Logic level: 4V
Wireless Connectivity and satellite		
2G/GPRS	Modem	SIMCOM SIM868
	Antena	Internal
	Frequency	Quad-band: GSM 850 MHz, EGSM 900MHz, DCS 1800MHz and PCS 1900MHz
	Data transfer	GPRS: Uplink/Downlink up to 85.6kps
	SMS	Yes
	Protocols	TCP/IP
GNSS	Module	Inside Sim868
	Chipset	MT 2503D
	Systems	GPS+Glonass
	Performance	Tracking:-165 dBm Reacquisition:-160 dBm Cold starts:-148 dBm Cold starts:28 s Warm start:26 s Hot starts:<1s
	Antenna	Built-in patch antenna ceramic with A high gain LNA
RFID reader	Accuracy	< 10m
	Chipset	CR95HF
	Frequency	13,553 13,567 MHz
	Standard	ISO/IEC 14443 Type A and B ISO/IEC 15693 (single or double subcarrier) ISO/IEC 18092
	Reflex (main)	≤ 4,5 mW ERP
	Emissivity (fake)	Operation mode: 0.67 μA / m (-3.5 dB μA / m) Standby: 0.06 μA / m (-24.5 dB μA / m)
	Reading distance	Tối đa 3cm
	Compatible card	I.CODE SLI, TAG_IT
	QCVN	QCVN96:2014/BTTTT QCVN55:2010/BTTTT

Connect and install



Protection stamp
when the device is
Online

Nano
SIM Card



User manual

1. Signal port và Led status

1.1 Led status

Led	Status	Description
	Stable light not blinking	The driver has logged in
	No light	No driver logged in
	Slow Blinking(**)	No Driver detected / registered when vehicle moving
	Fast blinking(**)	RFID reader not work properly
	Stable light not blinking	Initializing and reading Satellite signal
	No light	GNSS module have issues
	Slow Blinking (**)	Sleep mode
	Fast blinking(**)	Good signal, can update real-time location
	Stable light not blinking	Detecting Network
	No light	Not registered on network No SIM Card Installed/ Unusual incident
	Slow Blinking(**)	Registered to the network and connecting to the server
	Fast blinking(**)	Connected successfully to the server
	Stable light not blinking	Normal memory
	No light	Error / malfunction memory
	Fast blinking	Accessing memory

1.2 Indicator buzzer horn

No	Status	Description
1	One beep	The device is powered on
2	One beep, 1 time/min	Vehicle is moving, no driver logged in
3	Two beep	Driver logged in
4	Three beep	Driver logged out
5	Fast and continuous beep	Overspeed
6	Slow and continuous beep (1time/s)	Overtime driving
7	Continuous (500ms/time)	Overtime driving, Overspeed

2. Signal port

Port	Pin	Color	Description
Port A	RS232_TX0	Yellow	Connect to RX and TX (cross connection) of the sensor RS232 communication standard
	RS232_RX0	Green	
	ALTO	White	Digital input (active level configurable)
	Ignition (ACC)	Oranges	Connect the signal wire of the vehicle Ignition key, High-Level Active
	VDC_in	Red	Connect with positive voltage 12/24 VDC
Port B	GND	Black	Connect with Mass
	RS232_TX1	Yellow	Connect to RX and TX (cross connection) of the sensor RS232 communication standard
	RS232_RX1	Green	
	DOUT	White	Control Output with Low-Level Active
	ENGINE	Oranges	Connected to the vehicle's engine signal, High-Level Active
	ALT1	Red	Digital Input (active level configurable)
GND	Black	Connect with Mass	



Peripheral connection diagram

