GOSUNCN

To become the world's leading provider of intelligent connected vehicle parts

# GT573

## LTE Cat.4 T-Box

CE RoHS ECALL e13

The GT573 is a global 4G T-Box designed by GosuncnWelink for overseas markets, mainly targeting markets in Europe, North America, Latin America and Southeast Asia. It supports 100M Ethernet and EU ECALL, with an external 8G EMMC for data storage and upgrading. It has 1 LIN and 2 CAN channels, uses Qualcomm's GPS, is waterproof and dustproof with an IP50 rating, and has a built-in backup battery. The temperature requirement is -40 ° C to 85 ° C. The software includes functions such as remote control, remote diagnosis, big data uploading, OTA upgrade, emergency call, SOMEIP Ethernet communication, etc., which can meet the requirements of vehicle networking.

## Product features

- LTE Cat.4 T-Box
- Remote Control
- OTA upgrade
- Vehicle Security
- Vehicle status query
- The log of Driving
- Remote & Local Diagnostics
- Two-way high-speed CAN bus read and write
- USB Internet
- Internal and external 4G antenna switching

## Application Scenario

**In-vehicle Entertainment**

**Remote Control**

**In-vehicle Upgrade (OTA)**

## Product parameters

### General Feature

- Dimension: 151*134.2*28mm
- Weight: about 300 g
- Voltage Range：9V~16V
- Working Current：450mA Max
- Standby Current：6mA Max
- Sleeping mode Current： < 200uA

### Diagnostic Function

- The information read by the diagnostic instrument to the T-box
- Parameter configuration of the diagnostic instrument to the T-box
- 25 kinds of CAN network communication fault code identification
- 20 kinds of T-Box hardware fault code identification

### Hardware Feature

- 2 -channel CAN
- GNSS
- Analog voice
- EMMC
- Provides UART and SPI 2 communication for MCU and Modem
- 1000mah Ni-h backup battery
- External and internal LTE antennas
- RKE
- 100M Ethernet

### Software Feature

- Emergency call
- Remote Vehicle Diagnostics
- Provide network communication for vehicles
- Remote vehicle control
- Vehicle status report
- T-Box OTA upgrade and vehicle ECU upgrade
- Device log reporting
- Tire Pressure reporting

### Network for EU

- LTE FDD:B1/B3/B7/B8/B20/B28
- LTE TDD:B38/B40
- WCDMA：B1/B8
- GSM：900/1800 MHz

### Network for FCC

- LTE FDD:B5/B7
- LTE TDD:B38
- WCDMA：B5

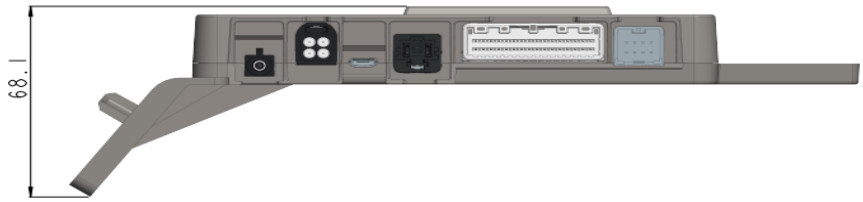
### Hardware Interface

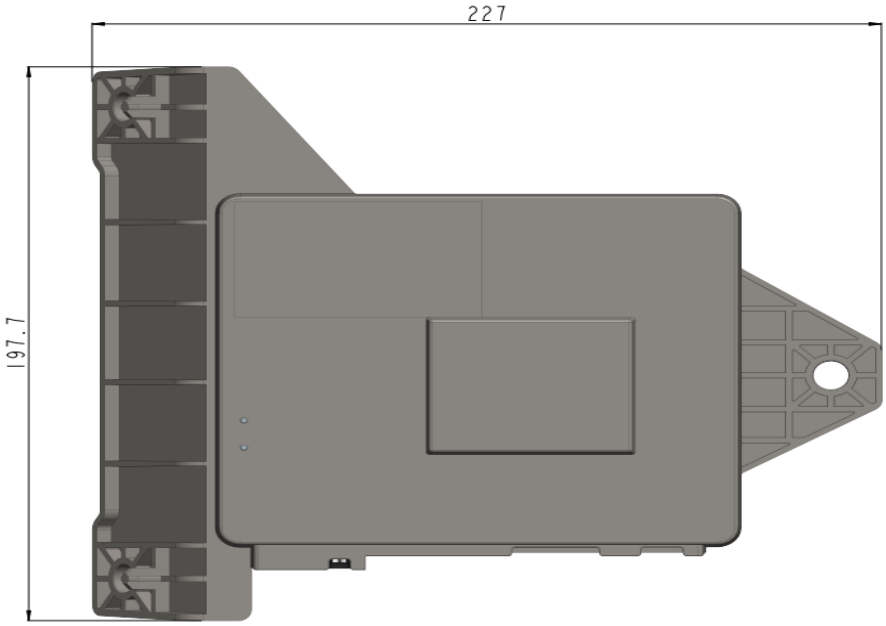
- Four in one antenna connector interface
- Power interface
- 32 PIN connector
- Ethernet interface

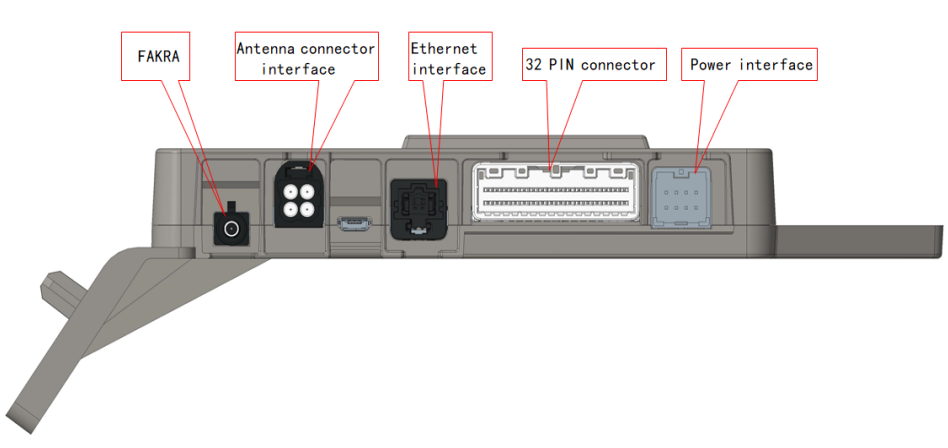
### Certification

- CE/ROHS/Emark/REACH/FCC
- ecall(EU 2015/ 758)/ecall (EU UNECE R144)

## GT573 Hardware Interface Define



## Note

**FCC warning:**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user’ s authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

## Note

### EU Conformity Statement

This product is marked with "CE" and comply therefore with the applicable harmonized European standards listed under the Radio Equipment Directive 2014/53/EU.

### RF Exposure Information

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must no be co-located or operating in conjunction with any other antenna or transmitter.

## Note

**Frequency and Power: (For EU)**
GSM900: 880MHz -915MHz: 35dBm
DCS1800:1710-1785MHz: 32dBm
WCDMA: Band I: 1920-1980MHz: 25dBm
Band VIII: 880-915MHz: 25dBm
LTE: Band 1: 1920MHz-1980MHz: 25dBm
Band 3: 1710MHz-1785MHz: 25dBm
Band 7: 2500MHz-2570MHz: 25dBm
Band 8: 880MHz-915MHz: 25dBm
Band 20: 832MHz-862MHz: 25dBm
Band 28: 703MHz-748MHz: 25dBm
Band 38: 2570MHz-2620MHz: 25dBm
Band 40: 2300MHz-2400MHz: 25dBm