



169.00 EUR

incl. 19% VAT, plus [shipping](#)

- IP67 Waterproof !
- Motion-Sensor !
- SMS / TCP / UDP / HTTP !
- GPS / GSM / GPRS !

Support:  [Specifications](#)

GTR-391 series is designed as durable and multi-functional highly efficient Cat 1 LTE connectivity GPS tracker enabling simple, flexible and scalable migration from 2G and 3G to 4G.

A wide range of customize protocols, industry-standard interfaces and vehicle functionalities (such as RS-232, RS-485, OBDII and CANBus) allow the GTR-391 serve a wide range of IoT applications including environmental monitoring, asset tracking, fleet management, and battery systems.

#### Features :

- Multi-band LTE, UMTS/HSPA(+) and GSM/GPRS/EDGE coverage
- 820mAh rechargeable battery
- GNSS
- Compact size and Waterproof IPX7 design
- Built-in high sensitivity GPS/Cellular antennas
- Built-in motion sensor
- Support cell ID
- Multiple I/Os support
  - ACC detection
  - RS-232/ RS-485/ CANBus Transmission (Option: Choose one of three)
  - Digital Input for custom function or optional emergency button
- Configuration and firmware update via Over-The-Air
- Support communication protocols- TCP/HTTP/HTTPS/SMS
- Installation by Double-side Tape & Velcro Tape
- Perfect power management control
- Thermal solution with IPX7 design and waterproof cable connectors

Accessories:

- Main Cable
- 8-Pin Hard Wire Power & I/O Cable

|                        |                                                                                                                                                                                                                                                                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MCU                    | STMicroelectronics Solution                                                                                                                                                                                                                                                                                                                       |
| External Flash Memory  | 32MB for Data buffer & debug log                                                                                                                                                                                                                                                                                                                  |
| GPS                    | QUECTEL GNSS Solution                                                                                                                                                                                                                                                                                                                             |
| GPS Frequency          | L1 frequency (1575.42 MHz)                                                                                                                                                                                                                                                                                                                        |
| GPS Antenna            | Built-in patch ceramics antenna                                                                                                                                                                                                                                                                                                                   |
| Cellular Antenna       | Built-in Pi-Fa antenna                                                                                                                                                                                                                                                                                                                            |
| Antenna Type           | Built-in patch ceramics antenna                                                                                                                                                                                                                                                                                                                   |
| LTE Module             | GTR-391E : Europe<br>LTE Band 1, 3, 7, 8, 20, 28 (700, 800, 900, 1800, 2100, 2600 MHz)<br>WCDMA Band 1, 8 (900, 2100MHz)<br>GSM/EDGE Band 3, 8 (900, 1800MHz)                                                                                                                                                                                     |
| Indicator LED          | Red/Green/Orange                                                                                                                                                                                                                                                                                                                                  |
| Communication Protocol | TCP/HTTP/HTTPS/ SMS                                                                                                                                                                                                                                                                                                                               |
| Transceiver Interface  | RS-232 / RS-485 / CANBus (Choose one of three)                                                                                                                                                                                                                                                                                                    |
| Back-up Battery        | 820mAh rechargeable                                                                                                                                                                                                                                                                                                                               |
| Sensor                 | Normal mode:<br>Red blinking: Device is under booting and SIM-PIN not ready<br>Red solid: SIM PIN Ready but GSM not registered<br>Yellow solid: GSM registered, but GPRS not connected<br>Green solid: GSM registered, and GPRS connected<br>Hiding mode:<br>Red blinking: Device is under booting<br>After complete the boot, turn off all LEDs. |
| Sensor                 | G-sensor for Motion detect                                                                                                                                                                                                                                                                                                                        |
| SIM Type               | Nano SIM or eSIM                                                                                                                                                                                                                                                                                                                                  |
| Button                 | Reset (short press)                                                                                                                                                                                                                                                                                                                               |
| Dimennsions            | 65g / L107.5mm x W38.7mm x H22.8mm                                                                                                                                                                                                                                                                                                                |
| Operating Temperature  | -30°C~85°C<br>(Storage: -40°C~90°C / 5% ~95% Non-condensing)                                                                                                                                                                                                                                                                                      |
| Certification          | TBD                                                                                                                                                                                                                                                                                                                                               |
| External GPS ANT       | MMCX or SMA Connector (HW reserve)                                                                                                                                                                                                                                                                                                                |
| 8 pin I/O:             | Power Input:<br>1 - DC +12V ~ +24V<br>2 - GND<br>Ignition (ACC) Input<br>3 - Positive trigger<br>Digital Input<br>4 - Negative trigger (Option: Emergency button)<br>RS-232/RS-485/CANBus<br>5 - Transmission Input<br>6 - Transmission Output<br>7 - GND                                                                                         |