

RF as a Service  
OEM / ODM

**SMART**  
logistics

# GPS Tracker

LTE Cat-1 / 4G  
LTE M1 / NB-IoT

## Design and Manufacturing Service

Our RFaaS teams offer a great range of wireless electronic products on the basis of OEM / ODM. We welcome your ideas and will create the best solution for you.

WG series is a new generation GPS tracker, suitable for cold chain logistics / vehicle rental / transportation of valuables. This series can support LTE Cat-1 or Cat-M1 / NB-IoT, especially Cat-M1 / NB-IoT provides more energy-saving effects and reduces communication costs.

The GPS tracker provides continuous position and path tracking / speed / battery status / ignition status / trigger status, which can be sent back to the cloud server or private server through the carrier network.

# GPS Tracker

## Regular

### WG-E690 / WG-G690

It provides Continuous Location and Path tracking / Speed / Battery Status / Ignition status / Trigger status can be transmitted back to the cloud server through LTE.

## Electric Motobike

### WG-E69D / WG-G69D

It provides Continuous Location and Path tracking / Speed / Battery Status / Ignition status / Trigger status can be transmitted back to the cloud server through LTE.  
Provide BMS (Battery Management System) information to Cloud / Server.



# LTE Cat1 / 4G GPS Tracker

	WG-E690	WG-E69D
Cellular Protocol	LTE-Cat1	
Internet Protocol	TCP / UDP / MQTT / MQTTS / Line Notify	
Operating LTE Bands	Band 1 / Band 3 / Band 5 / Band 7 / Band 8 / Band 28	
LTE Transmit RF Power	Maximum 23 dBm	
Cellular Data Rate	LTE-Cat1 (10 Mbps / DL, 5 Mbps / UL)	
GNSS Receiver Type	16-Channel, C / A Code, GPS / GLONASS / BeiDou	
GNSS Sensitivity	Hot Start: -159 dBm / Cold Start: -148 dBm	
GNSS Antenna Type	Built in Patch Antenna	
GNSS Protocol	NMEA0183	
GNSS Accuracy	2.5m CEP50	
GNSS Acquisition Time (Average)	Hot Star: 1 sec / Cold Start: 35 sec	
Interface	RS-485 / Digital Output / Digital or Analog Input Ignition Detect / Trigger Detect	RS-485 / Digital Output Ignition Detect / SMBUS
Indicator	GPS / LTE Status Indicator	
RS-485 Baud Rate	1200bps / 2400bps / 4800bps / 9600bps / 19200bps / 38400bps / 57600bps / 115200bps / 230400bps	
Digital Output	Support ON / OFF	
Operating Temperature	-40°C ~ 85°C	
Main Unit Dimensions	70 x 53 x 20 mm	
Waterproof	IP 67	
Input Power Supply	DC 10 ~ 36 V (±5%)	DC 40 ~ 60V (±3%)
Special Specification	Flame Retardant	

# LTE M1 / NB-IoT GPS Tracker

	WG-G690	WG-G69D
Cellular Protocol	LTE-Cat M1 / NB-IoT	
Internet Protocol	TCP / UDP / MQTT / MQTTS / Line Notify	
Operating LTE Bands	Band 1 / Band 2 / Band 3 / Band 4 / Band 5 / Band 8 / Band 12 / Band 13 / Band 14 (M1 only) / Band 18 / Band 19 Band 20 / Band 25 / Band 26 / Band 27 (M1 only) / Band 28 / Band 66 / Band 71 (NB-IoT only) / Band 85	
LTE Transmit RF Power	Maximum 20 dBm	
Cellular Data Rate	LTE-Cat M1 (589 Kbps / DL, 119 Kbps / UL) / NB-IoT (136 Kbps / DL, 150 Kbps / UL)	
GNSS Receiver Type	16-Channel, C / A Code, GPS / GLONASS / BeiDou / Galileo	
GNSS Sensitivity	Hot Start: -159 dBm / Cold Start: -148.5 dBm	
GNSS Antenna Type	Built in Patch Antenna	
GNSS Protocol	NMEA0183	
GNSS Accuracy	0.74m CEP50	
GNSS Acquisition Time (Average)	Hot Start: 1 sec / Cold Start: 30 sec	
Interface	RS-485 / Digital Output / Digital or Analog Input Ignition Detect / Trigger Detect	RS-485 / Digital Output Ignition Detect / SMBUS
Indicator	GPS / LTE Status Indicator	
RS-485 Baud Rate	1200bps / 2400bps / 4800bps / 9600bps / 19200bps / 38400bps / 57600bps / 115200bps / 230400bps	
Digital Output	Support ON / OFF	
Operating Temperature	-40°C ~ 85°C	
Main Unit Dimensions	70 x 53 x 20 mm	
Waterproof	IP 67	
Input Power Supply	DC 10 ~ 36 V (±5%)	DC 40 ~ 60V (±3%)
Special Specification	Flame Retardant	

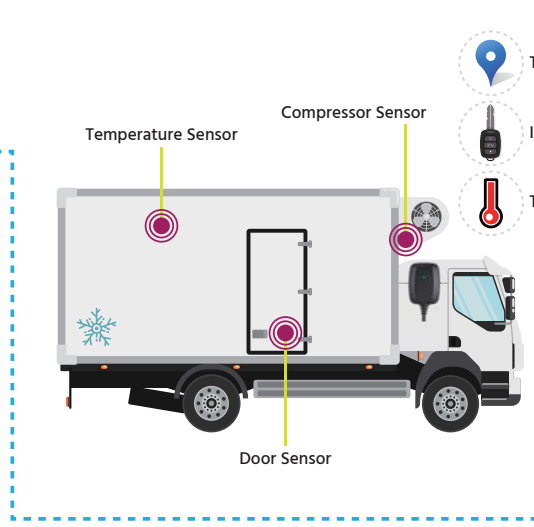
\* Specifications are subject to change, in the interest of technical improvement, without notice or obligation.

Customize different wire lengths, accessories and peripheral goods, welcome to contact us.





Supplier



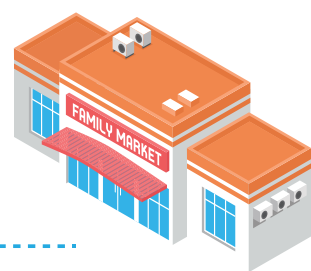
- Trace
- Ignition
- Temperature



Distribution Center



Final Client



Market



Cold Chain Management System

