GL601CEU

LTE Ruggedized Waterproof Solar Powered Asset Tracker



- LTE CAT 1 with 3G and 2G Fallback
- Solar Charging
- Up to 10 years
- Ruggedized Case
- IP67 Waterproof
- BLE 5.0
- Wi-Fi Scanning
- Geo-fences
- Tamper Detection
- Motion Detection
- OTA Control

Solar Charging | **Up to 10 years** | **BLE 5.0**

The GL601CEU is a rugged, self-sustaining LTE CAT 1 with 3G and 2G fallback tracker, ideal for efficient management of containers, trailers, and rail wagons. With its advanced solar harvesting technology, it can operate with zero maintenance for up to 10 years. The built-in rechargeable large battery supports multimodal operation based on transportation needs, ensuring real-time tracking during movement or low-frequency reporting when stationary. Utilizing LTE Cat1 technology eliminates concerns about network coverage for inter-regional transportation. Additionally, it features a light sensor for tamper alerts, a temperature sensor for ambient condition monitoring, and offers extended functionalities with BLE and Wi-Fi connectivity.

Container Tracking



Trailer Tracking



Asset Monitoring



sales@queclink.com

www.queclink.com



Dimensions	212(L) × 86(W) × 30(H) mm 8.35(L) × 3.39(W) × 1.18(H) inch
Weight	572g (20.2oz)
Battery	6 x ICR18500 lithium batteries, 3.7V,12000mAh
Standby Time	Continuous Mode: 1 report/minute(2 Working hours per day): 80 days Sleeping Mode: 1 report/hour: 5 months 1 report/day: 5 years 1 report/day(need to be solar charged regularly): 10 years
Waterproof	IP67
Operating Temperature	-20 °C~+70 °C (-4 °F~+158 °F)
Mounting	Screw / Magnet Mounting Additional secure steel cable
Region	EMEA
Certificate	CE (Planning)

Cellular

LTE	LTE Cat 1: B1/B3/B7/B8/B20/B28A
WCDMA	B1/B8
EGPRS	900/1800MHz

GNSS

GNSS Type	All-in-one multi-constellation GNSS Receiver
Constellation Support	GPS, BEIDOU, GLONASS, GALILEO, AGPS
Position Accuracy (m@CEP50)	Autonomous: <2.5m

Connectivity

BLE	2.4GHz
	BLE 5.0, worked as a BLE gateway to connect accessories like beacon, temperature sensor, door sensor, etc.
Wi-Fi	2.4GHz
	Wi-Fi scanning for in-door positioning or triggering mode switch

Interfaces

Charging Port	4-pin magnetic connector for charging and configure / FW upgrade
Cellular Antenna	Internal only
GNSS Antenna	Internal only
BLE Antenna	Internal only
Wi-Fi Antenna	Internal only
LED Indicators	GNSS, CEL, PWR

Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Scheduled Timing Report	Report messages at preset time intervals
Geo-Fence Report	Automatically reports when entering / exiting Geo-fence
Low Power Alarm	Alarm when internal battery is low
Battery Health	Report battery condition (%) / status
Temperature Monitoring	Report environment temperature at preset time intervals
Tamper Detection	Alarm when device is removed
OTA Control	Remote configure parameters to change position interval, measurement interval, active/ deactivate sensor, upgrade FW

*Note:
1. The standby time is estimated under the condition of operating with LTE CAT1 and the CSQ is greater than 15, working at a constant ambient temperature of 25°C, where GNSS signal is strong enough and under open sky.
2. The battery life estimation is based on LTE CAT1 Connectivity and may be influenced by several factors such as network coverage, ambient temperature, sensors' setting, peripherals, installation location and orientation, etc. If you're interested in power consumption calculation of our device, please contact with our sales or FAE to get more information.
3.In the high temperature environment, continuous operation of the product for more than 4 hours will cause damage to the battery life.