G62 LORAWAN®

All 868, 902-928 MHz regions supported in single SKU

- High-performance, high-precision GPS tracking device for LoRaWAN networks
- Waterproof and ultra-rugged (IP68)
- Wire into power for vehicle, fleet, and equipment tracking
- Flexible Input Monitoring - 1 x Analog Input, 2 x Digital Inputs, 1 x Switched Ground Digital Output, 1 x Ignition Digital Input
- Backup battery in case of loss of power or tampering

Inputs/Outputs

Ultra-Rugged & Waterproof

End-to-End Security

Highly Configurable

868, 902-928 MHz

White-Label & Integration Ready

Asset Visibility

Monitor the location and movement of your assets.

Flexible Input Monitoring

Interface with a range of devices and switches for seatbelt detection, duress buttons, lights, warning buzzers, and more.

Flexible Configuration

Configure device parameters such as position update rates, movement and accelerometer settings, and more.

Geofence Alerts

Receive notification if asset enters or exits designated locations.

Backup Battery

Features an internal backup battery in case of loss of power or tampering.

Asset Utilization

Measure operational hours of asset to optimize utilization and reduce downtime.

Third-Party Integration

Easy integration with comprehensive documentation, flexible and open payload format.

Data Security

LoRaWAN networks use AES-128 Encryption to protect data.

FLEET MANAGEMENT | VEHICLES | EQUIPMENT | LEASING | INSURANCE | COMPLIANCE

Connectivity

LoRaWAN	Highly sensitive radio receiver is available in 868 or 902 - 928 MHz versions.
Regions	AU915 AS923-1 AS923-2 AS923-3 EU868 IN865 KR920 RU864 US915

Location

Module	u-blox EVA-M8
Constellations	Concurrent GPS and GLONASS
Low Noise Amplifier	GPS signals are filtered and boosted by a SAW filter and low-noise amplifier (LNA) allowing operation where other units fail.
Location Accuracy*	~2.0m CEP

* Positioning accuracy specifications are provided by the module supplier and reflect ideal conditions. Device configuration, installation, environmental conditions, augmentation services, and many other factors may lead to variations in positioning accuracy.

Power

Input Voltage	8-33V DC (max)
Self-Resetting Fuse	Built-in self-resetting fuse makes installation simple and safe. Stringent automotive power “load dump” tests are conducted to ensure operation in the harshest electrical systems.
Sleep Current	<1mA
Backup Battery	1100mAh LiPo internal backup battery pack.

Mechanics / Design

Dimensions	126 x 80 x 27 mm (4.96 x 3.15 x 1.06 in)
Housing	Non-branded housing is suitable for white labeling.
IP/IK Rating	Ultra-rugged and waterproof IP68 and IK08-rated housing ensures the device can withstand impact, fine dust, and brief submersion.
Installation	7 wire harness / 1m length supplied as standard.
Temperature Range	Operating: -30°C to +60°C Recommended Storage: 10°C to 30°C, Humidity 30%. Store in a cool, dry place.
GPS Antenna	Internal
3-Axis Accelerometer	3-Axis accelerometer to detect movement.
Diagnostic LED	Diagnostic LED indicates operation status.

Interfaces

Analog Input	1 x 0 - 30V Analog Input Auto Ranging, 12-bit ADC 0 - 5V range: 1.22mV resolution 0 - 30V range: 7.32mV resolution
Digital Inputs	2 x Digital Inputs Configurable pull-up/down 0-48V DC Input Range
Digital Output	1 x Switched Ground Digital Output Can be toggled via downlink.
Ignition	1 x Dedicated Ignition Digital Input 0-48V DC 5V on threshold

Smarts

Geofence Alerts	The server can use device location to create geofences and alerts if an asset enters or leaves designated locations.
Run Hour Monitoring	Calculate run hours and distance traveled (odometer) to understand and optimize asset utilization.

Device Management

Flexible Configuration	Configure device parameters such as position update rate, movement and accelerometer settings, and more to fit any tracking application.
Configuration App	Manage device firmware updates and parameters via a USB configuration cable and app. Some parameters can be changed via downlink.

Integration

Third-Party Integration	Easy integration with comprehensive documentation and a flexible and open payload format.

Security

Data Security	LoRaWAN networks use AES-128 Encryption so your data is protected.

Warranty

Manufacturer's Warranty	Two-year manufacturer's warranty. Exclusions apply.

Certifications

Please view our knowledge base for regulatory and network certifications.