

# G62 using LoRaWAN™ Technology

Rugged, compact, IP67 GPS tracking device for LoRaWAN™ networks



## APPLICATIONS



Vehicle and  
Fleet Tracking



Anchoring and  
Security of  
Assets



Rental  
Equipment



Mining  
Equipment



Run Hour  
Monitoring

The G62 is a rugged, compact and waterproof GPS tracking device with IO. The electronics, backup battery and antennas are all located within the tough nylon-glass housing, offering the ability to track any asset in the most demanding conditions using public or private LoRaWAN networks.

## FEATURES

- On-device Odometer and Run-Hours
- IP67 Rated Rugged Housing
- High Sensitivity GPS with LNA
- 3D Accelerometer
- Internal backup battery
- 1 x Ignition Input
- 2 x Digital Inputs
- 1 x Analogue Input
- 1 x Digital Output

## MECHANICAL FEATURES

Rugged IP67 Rated Housing	Nylon Glass Composite housing protects against the elements. This allows the G62 to be installed internally or externally on any asset in the most demanding conditions.
Operating temperature	-20°C to +60°C
Dimensions (mm)	L 126 x W 80 x H 25mm

## CONNECTIVITY

LoRaWAN	All 868MHz & 915MHz LoRaWAN regions supported
GPS and RF Antenna	Internal antennas tuned by RF laboratories to ensure optimal performance
Configuration	Setup by USB Cable and over-the-air (OTA) via downlink messages

## GPS TRACKING

GPS Module	U-Blox EVA GPS, High sensitivity assisted GPS receiver, 72 channel (-167dBm tracking)
GNSS	GPS, BeiDou, Galileo, GLONASS, QZSS
Antenna with LNA	Our GPS design is boosted by a low-noise amplifier (LNA) allowing operation in "urban canyons" and in the most demanding conditions

## SPECIFICATIONS

Power	8-36V DC (Max)
3D Accelerometer	Used for intelligent power management. Future firmware versions planned for excessive G-force notification
Adaptive Tracking	Adaptive-Tracking technology enables the G62 to intelligently scale the update rate based on ignition status / device movement
Inputs and Outputs	3 x 36V Digital Inputs 1 x Analogue Input (0V – 30V) 1 x Switched Ground Digital Output
Internal Backup Battery	200mAh Li-Po battery pack allows for notifications if external power is removed and 'backup' tracking
Run Hours & Odometer	The G62 LoRaWAN keeps an electronic run hour and odometer based on the ignition line - useful for keeping track of utilization and maintenance.