



## SU-6600

The SU-6600 is a super-smart, battery-powered tracking device in a rugged IP67 housing – in particular designed for asset location with temperature monitoring.

Super-long battery life is possible with LTC (Lithium Thionyl Chloride) batteries, or connect to a power source for a permanent solution. The SU-6600 comes in a 4G LTE CAT-M1 / NB-IoT combo module. The 4G version is specially designed for low-power operation – resulting in the longest battery life around.

### **No Lock-In Contact**

**Service fees start from a low \$10 per month or \$99 per year**

***Notice: batteries are included on all Asset Tracking Devices***



## FEATURES



### TELSTRA 4G CATM1 CONNECTIVITY

The SU-6600 uses the 4G Cat M1 modem using the Telstra Network, Rest assured you're getting the best coverage. In the event the SU-6600 is out of coverage, data will be stored and uploaded when coverage is available.



### REAL-TIME TRACKING

The SU-6600 is highly configurable, choose from a single daily location update, through to real-time tracking and everything in between.



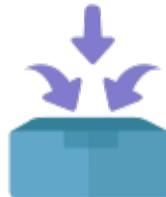
### UP TO 5 YEAR BATTERY LIFE

Using the SU-6600 in battery-mode only, you'll get between 4 and 5 years usage (based on one daily update) the SU-6600 uses 4 X AAA Energiser Lithium Batteries.



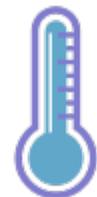
### OPTIONAL EXTERNAL POWER

The SU-6600 can be powered from an external source, for example, vehicle power. Should there be an external power failure, the internal batteries will power the device.



### INPUTS AND OUTPUTS

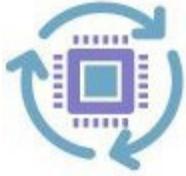
Connect external inputs to the SU-6600, for example, ignition or a gate or door open/close switch. The SU-6600 has two inputs and one output.



### OPTIONAL TEMPERATURE SENSOR

The SU-6600 is ideal for remotely recording location and temperature using an optional temperature sensor

## FEATURES



### I<sup>2</sup>C SENSOR INTERFACE

The SU-6600 is equipped with an I<sup>2</sup>C Sensor Interface. The interface allows any I2C sensor, integrate with the SU-6600.



### BATTERY MANAGEMENT

The SU-6600 has Built-in Battery Management for monitoring battery use and accurate remaining life predictions.



### IP67 RATED

The SU-6600 is rated to IP67 ensuring the device is dustproof, can withstand high-pressure spray and submersion in water for up to 30 minutes at a depth of 1 meter.



### WI-FI POSITIONING

In addition to using GPS to obtain a location, the SU-6600 also features Wi-Fi positioning systems to indoor tracking. As a fall back to GPS and Wi-Fi, the SU-6600 can also get an approximate location using mobile phone masts.



### THEFT PROTECTION AND RECOVERY

Should the worst happen and your vehicle is stolen, activate the recovery mode turn on-live tracking at 30-second intervals for vehicle retrieval.



### RECORD RUN HOURS

The SU-6600 can record and monitor run hours using one of the digital inputs to collect usage data from the device which is then integrated with our maintenance reminder system.

## FEATURES



### MOTION ACTIVATED ALERTS

The SU-6600 can be configured to provide location updates based on motion.



### INTELLIGENT GEOFENCING

The SU-6600 provides alerts and reports based on Geofence activity. Download or schedule detail activity reports showing arrival time, departure time and site time.



### BUSINESS GRADE REPORTS

Get outstanding business-grade reporting with the SU-6600. There are many standard reports or quickly produce your custom design reports. Schedule email reports regularly.



### THIRD-PARTY INTEGRATION

Easy integration. The SU-6600 provides the option of Third-Party integration. Options include webhook, TCP or HTTPS, Direct and Data Splitting. (Additional fees may apply)



### EASY TO USE SOFTWARE

The SU-6600 software and APP are straightforward to use. Its extremely intuitive and our team are always on hand to provide one-on-one training if needed.



### MAINTENANCE REMINDERS

Keep on top of service and maintenance. The SU-6600 provides service and maintenance reminders. Service reminders are sent via email or to our App.

## FEATURES



### 24-HOUR SUPPORT

Our customers are provided business hour support from 8.00 am to 8.00 pm Monday to Friday, with 24-hour service for critical support issues.



### 14-DAY MONEYBACK

Buy with **total** confidence. The SU-6600 comes with a **no-quibble** 14-day money-back guarantee. If you're not happy with your purchase, simply return it.



### CONTINUOUS WARRANTY

Relax, you're in great hands. A **continuous warranty** supports the SU-6600 as part of our service plan for complete peace of mind.

## SPECIFICATIONS

### CONNECTIVITY

<b>4G LTE-M / NB-IoT</b>	uBlox SARA-R410M Modem operates on all major global LTE-M and NB-IoT bands. Supported LTE bands: 1*, 2, 3, 4, 5, 8, 12, 13, 18, 19, 20, 26*, 28 (*roaming bands)
<b>SIM Size &amp; Access</b>	Internal Micro 3FF SIM

### BATTERIES

<b>User-Replaceable Batteries</b>	3 x AA
<b>Battery Life</b>	Up to 5 years of battery life at once daily heartbeats / 1-year battery life at once hourly heartbeats.
<b>Supported Battery Types</b>	Lithium (LiFeS2) Lithium Thionyl Chloride (LTC)

### LOCATION

<b>Module</b>	uBlox EVA-M8
<b>Constellation</b>	Concurrent GPS / GLONASS
<b>Channels</b>	72 Channel High Sensitivity Receiver
<b>Tracking Sensitivity</b>	-167dBm industry-leading tracking performance
<b>AssistNow Offline</b>	GNSS aiding data (such as ephemeris, time, coarse position) for a faster Time To First Fix (TTFF).
<b>Low Noise Amplifier</b>	GPS signals are boosted by a unique low-noise amplifier (LNA) allowing operation where other units fail.
<b>WiFi Positioning System</b>	Indoor asset location using WiFi Positioning Systems. Cell tower fallback for positioning when no networks are nearby.
<b>Cell Tower Fallback</b>	Cell tower fallback for positioning when no WiFi and/or networks are nearby.

### POWER

<b>Input Voltage</b>	Flexible power options 5 – 16V DC (max) 3 x AA Cell Battery holder fitted. Screw terminals for line power.
<b>Sleep Current</b>	<10uA* *Average current in lowest power configuration.
<b>Back-Up Battery</b>	If line power is connected and batteries are also installed, device will fall back to the 3 x AA cells if external power is disconnected.

## SPECIFICATION

### MECHANICS / DESIGN

<b>Dimensions</b>	L 135 x W 90 x H 35 mm
<b>Weight</b>	163g (232g with batteries)
<b>Housing</b>	ABS Polycarbonate Plastic
<b>IP Rating</b>	IP67 rated housing ensures device can withstand fine dust, high-pressure spray, submersion for 30 mins in 1m of water, and extreme temperatures.
<b>Operating Temperature</b>	-20°C to +60°C (For operation in extreme temperatures use LTC Batteries)
<b>Installation</b>	Compact and Concealable. Multiple installation options for covertly and easily securing the device to assets with screws, bolts, cable ties, rivets, and more. Caters for a number of cable glands (2 fitted as standard) to allow for waterproof cable entry to the housing.
<b>GPS Antenna</b>	Internal
<b>Cellular Antenna</b>	Internal
<b>3-Axis Accelerometer</b>	3-Axis Accelerometer to detect movement, high G-force events, and more.
<b>Diagnostic LED</b>	Diagnostic LED signifies operation status.
<b>Flash Memory</b>	Store weeks of records if device is out of cellular coverage. Storage capacity for over 10 days of continuous 30-second logging.

### INTERFACES

<b>Analog Inputs</b>	1 x 0-30V Analog Input, Auto Ranging, 12-bit ADC 0-5V range: 1.22mV precision 0-30V range: 7.32mV precision
<b>Digital Inputs</b>	2 x Digital Inputs with configurable pull-up/down 0-48V DC input range On/Off thresholds: Pull-up enabled: low at 0.8V, high at 1.0V Pull-down enabled: low at 2.0V, high at 2.4V Can be used for pulse counting
<b>Digital Outputs</b>	1 x Switched Ground Digital Output. Easily wired up to control external devices and circuits, for example to turn a lighting tower on / off
<b>Ignition</b>	Digital Inputs can be used as an ignition input to log run hours
<b>I<sup>2</sup>C</b>	I <sup>2</sup> C (inter-IC communications) is an interface commonly used in sensor modules.
<b>Switched Power Out</b>	Used to control the 3.3V power to external sensors and peripherals. Load limited and short circuit protected.

## SPECIFICATION

### SMARTS

#### Auto-APN

Auto-APN allows the device to analyze the SIM card and select the correct APN details from a list that is pre-loaded in the device's firmware.

#### Battery Life Monitoring Environmental Monitoring

Built-in Battery Meter for monitoring battery use and remaining life predictions. Interface with a range of sensors such as temperature, humidity, moisture, depth, and more.

#### Geofencing Geofence Download to Device

Create custom geofences and alerts if an asset enters or leaves specific locations. **Geofences can be downloaded directly to the device from Telematics Guru** for enhanced location-based actions and alerts

#### Impact Detection

Configure impact-detection alerts when g-forces are exceeded by a user-defined threshold.

#### Periodic or Movement-Based

Configure parameters to send updates based on set time intervals (1x, 3x, 5x a day, etc) or when movement occurs. Adaptive tracking technology detects when the device is on the move and increases the update rate, providing detail when you need it while conserving battery when stationary.

#### Preventative Maintenance

Set reminders based on distance traveled and run hours to reduce maintenance and repair costs.

#### Real-Time Tracking

Device remains continuously connected while on the move for real-time asset tracking.\*

\*Optional when device is externally powered.

#### Theft Recovery

Switch to Recovery Mode in the case of theft or loss to activate real-time tracking at 30-second intervals for asset retrieval.

#### Run Hour Monitoring

Capture run hours based on movement and/or distance traveled to understand and optimize asset utilization.

#### Sleep Mode

Stationary devices enter sleep mode, switching the update rate to only twice per day until movement occurs to conserve battery life and optimize data usage.

## DEVICE MANAGEMENT

#### Flexible Configuration

Configure device parameters such as heartbeat rate, movement and accelerometer settings, and more to fit any tracking application.

## INTEGRATION

#### Third-Party Integration

Webhook, TCP or HTTPS, Direct and Data Splitting Integration Options

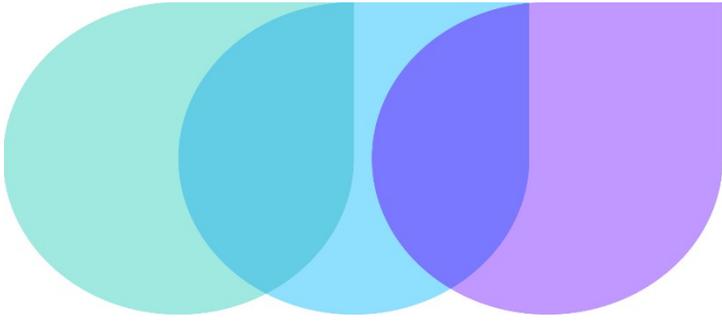
## PERIPHERALS

#### Temperature Probe Temperature and Humidity Probe

Temperature Probe  
Temperature and Humidity Probe

## WARRANTY

A continuous warranty supports the SU-6600 as part of our service plan for complete peace of mind.



# Simply Unified

Simply Unified Pty Limited

Unit 8, Blackburn Drive, Port Kennedy. Western Australia. WA 6172



1300 599 540



[sales@simply-unified.com.au](mailto:sales@simply-unified.com.au)



[simply-unified.com.au](http://simply-unified.com.au)