SU-1200

The SU-1200 takes vehicle tracking to the next level!

Simply Unified has used the latest 4G Cat-M1/NBIoT modem, the SU-1200 tracking device has several inputs and outputs providing a quality solution for virtually any application.

Both our GPS and Mobile antennas are internal, therefore reducing the risk of tamper—an internal back-up battery to provide alerts and tracking operations even when the external powered lost.

Service fees start from a low $20 per month or $199 per year

KEY FEATURES

Simply Unified

The SU-6200 uses the latest 4G Cat M1 modem connected to the Telstra Network. When the devices are out of coverage, data will be stored and uploaded when coverage is available.

The SU-1200 delivers live tracking. The SU-1200 provides updates when the ignition is turned on or off, an event, every time the vehicle changes direction or every 30 seconds, whichever comes first!

Australi-Wide Coverage. Fit the SU-1200 with an optional Iridium Edge® Module to track assets in remote areas outside of cellular coverage. Additional fees apply.

The SU-1200 software and APP are straightforward to use. Its extremely initiative and our team are always available to provide **free** one-on-one training if required.

The SU-1200 uses its built-in accelerometer to provide intelligent movement-based tracking. It means that even if the ignition is not triggered (for example, the vehicle is towed), location updates can still take place.

Get outstanding business-grade reporting with the SU-1200. There are many standard reports or easily produce your own custom design reports

The SU-1200 can send alerts and reports based on Geofence activity. Download or schedule detail activity reports showing arrival time, departure time and site time.

The SU-1200 is built-tough only using the very best quality materials and components. Every device passes our 100% quality control process before it leaves our warehouse.

Easy integration! The SU-1200 provides the option of Third-Party integration. Options include webhook, TCP or HTTPS, Direct and Data Splitting. (Additional fees may apply)

KEY FEATURES

We've made vehicle maintenance management a breeze! Keep on top of service and maintenance. The SU-1200 provides service and maintenance reminders. Service reminders are sent via email or to our App.

Monitor and manage driver behaviour using the SU-1200. Receive automated alerts for excessive acceleration, braking or harsh cornering. A Driver profile is available based on historical data.

The SU-1200 can send alerts in the event of an accident and rollover alerts triggered by extreme changes in the velocity and orientation of vehicles.

The SU-1200 can capture Six external PTO's activities. For example the deployment of a Pump or cherry pickers. The SU -1200 features a digital output. The digital output can remotely trigger an external device, for example, a safety beacon. The RS 232 can be used to connect Iridium Edge® Module or interface with controllers and other sensors.

Record run hours and distance travelled (odometer) to understand and optimise asset utilisation.

Full utilisation reports are available as part of our business-grade reporting suite.

The SU-1200 electronically records the Odometer. An accumulative total is maintained. Armed with Odometer records, maintenance and utilisation management is a breeze.

KEY FEATURES

The SU-1200 features the latest Bluetooth® 5.0 Gateway for affordable tagged asset management and sensor monitoring applications.

The SU-1200 features a large 1100 mAh LiPo back-up battery. In the event external power is cut or fails, an alert can to trigger. Alerts can be emailed or sent as a push notification to our APP.

Should the worst happen and your vehicle is stolen, activate the recovery mode turn on -live to track at 30-second intervals for vehicle retrieval? There is also the option to immobilise the car.

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.

Buy with **tota**l confidence. The SU-1200 comes with a no questions asked 14-day money-back guarantee. If you're not happy with your purchase, simply return it.

Relax, you're in great hands. A continuous warranty supports the SU-1200 as part of our service plan for complete peace of mind.

CONNECTIVITY

4G LTE-M / NB-IoT	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)
Bluetooth® 5.0 Gateway	Bluetooth® 5.0 gateway reports nearby Bluetooth® tags and sensors for affordable tagged asset management and sensor monitoring.
SIM Size & Access	Internal Micro 3FF SIM

LOCATION

Module	uBlox EVA-M8
Constellation	Concurrent GPS / GLONASS
Channels	72 Channel High Sensitivity Receiver
Tracking Sensitivity	-167dBm industry-leading tracking performance
AssistNow Offline	GNSS aiding data (such as ephemeris, time, coarse position) for a faster Time To First Fix (TTFF).
Low Noise Amplifier	GPS signals are boosted by a unique low-noise amplifier (LNA) allowing operation where other units fail.

POWER

Input Voltage	8-45V 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.
Operating Current	~25/50mA when moving ~150mA battery charging
Sleep Current	<2mA
Back-Up Battery	1100mAh LiPo internal backup battery pack

MECHANICS / DESIGN

Dimensions	L 125 x W 65 x H 30mm
Weight	250g
Housing	ABS Polycarbonate Plastic
Operating Temperature	-20°C to +60°C (connected to external power) At < 0°C and > +40°C the internal backup battery will not be charged as a safety precaution due to the dangers associated with charging batteries at extreme temperatures.
Installation	24 Pin Connector provided as standard.
GPS Antenna	Internal
Cellular Antenna	Internal
3-Axis Accelerometer	3-Axis Accelerometer to detect movement, high G-force events, and more.
Diagnostic LED	Diagnostic LED signifies operation status.
Flash Memory	Store weeks of records if device is out of cellular coverage. Storage capacity for over 10 days of continuous 30-second logging.
Internal Buzzer	Internal buzzer fitted for audible alerts for speeding, harsh driving, driver ID reminders, error conditions, input feedback, and other events.

INTERFACES

Analog Inputs	1 x 0-30V Analog Inputs, Auto Ranging, 12-bit ADC 0-5V range: 1.22mV precision 0-30V range: 7.32mV precision
Digital Inputs	6 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
Digital Outputs	1 x Switched Ground Digital Output Easily wired up to switch external lights, relays, buzzers etc. Can be used to immobilize a vehicle
Ignition	1 x dedicated ignition digital input 0-48V DC 5V on/off threshold
RS-232	Can be used to connect Iridium Edge® Module or interface with controllers and other sensors.
Switched Power Out	Outputs are either 5V (external power connected) or Vbatt (no external power) Maximum current: 400mA The SU-1200 can provide power to external peripherals, eliminating the need for additional external power supplies.
TLL Interface	Serial interface used to connect a Digital Matter RFID reader for Driver ID.
Wiegand	The SU-1200's Wiegand Interface enables easy integration with a variety of RFID card types and readers. Existing employee access badges or IDs can be used with a Wiegand reader for driver ID, permission-based actions, and theft prevention, eliminating the hassle of issuing additional ID cards or fobs.
1-Wire® or iButton®	1-Wire® or "iButton®" can be used to read Driver ID tags. Readers available to suit multiple card formats.

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.
Accident & Rollover Detection	Configure accident and rollover alerts triggered by extreme changes in velocity and orientation of vehicle or equipment. Second-by-second GPS data is saved on the device's flash memory, with a capacity of approximately 2 hours of data. In the event of an accident, a subset of the data (60 seconds before / 10 seconds after) is uploaded to the server automatically (if configured) or can be requested manually for a detailed reconstruction of the incident.
Driver ID Options	RFID, iButton® or Wiegand interface for Driver ID, access control, and logbooking. Wiegand interface supports many third-party readers to read nearly any ID card type.
Driver Safety & Behavior	Monitor speeding, harsh acceleration, braking, cornering, idling, and more to improve safety and prevent unnecessary wear on vehicles.
Geofencing	Create custom geofences and alerts if an asset enters or leaves specific locations.
Geofence Download to Device	Geofences can be downloaded directly to the device from Telematics Guru for enhanced location-based actions and alerts.
In-Vehicle Alerts	Can be wired up to external buzzers or lights for in-vehicle alerts. Also features Built-in-Buzzer for alerts.

Lone Worker Safety	Interface a variety of duress pendants to enable man-down alerts for lone worker safety monitoring.
Out-of-Cellular-Coverage Tracking	Fit theSU-1200 with an optional Iridium Edge® Module using the RS232 connection to track assets in remote areas outside of cellular coverage
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.
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.
Remote Immobilization	Digital outputs can be connected to a relay to enable remote immobilization of vehicles and equipment in the case of theft, abuse or unauthorized usage
Remote Worker Safety	Interface a variety of duress pendants to enable man-down alerts for remote (out-of-coverage) worker safety monitoring. *Requires Iridium Edge® Module
Run Hour Monitoring	Calculate run hours and distance traveled (odometer) to understand and optimize asset utilization.
Sensor Monitoring	Interface with a range of devices and switches for seatbelt detection, duress and panic buttons, lights, in-cab warning buzzers, and more.
Tamper Alerts	Instant alert if the device is removed from your asset or disconnected from its power source.

Simply Unified

Simply Unified Pty Limited
Unit 8, Blackburn Drive, Port Kennedy. Western Australia. WA 6172

1300 599 540 sales@simply-unified.com.au simply-unified.com.au