



Designed for bins, trailers, shipping containers, portable assets such as digital road signage or generators, rolling stock and construction equipment.

Datasheet

ST-1100 3G



The ST-1100 3G is a low-profile GPS asset tracker designed for assets that change location regularly or where long battery-life is required.

Key features:

- Compact and low-profile.
- IP67 weather-resistant housing.
- Operating temperature -40°C to +85°C.
- Unit typically sleeps in an ultra-low power state; adaptive tracking (optionally) uses accelerometer and GPS to wake up and increase data frequency during motion.
- Takes 4 standard “C” size alkaline batteries.
- Long battery life using industrial grade batteries; typically 2-3 for regular updates and up to 5 years using once daily updates; longer using LTC (Lithium-Thionyl-Chloride) batteries.
- UBLOX MAX-8 GPS module supports concurrent GPS and GLONASS satellites.
- Low noise GPS amplifier.
- GPS AssistNow Offline.
- Optional magnetic tamper detection.
- Flash memory has sufficient space to hold data for many months when out of range.
- Configurable by Over The Air (OTA) update.
- Recovery mode.
- High G-force notifications.

ST-2100 3G



The ST-2100 3G is a small compact GPS asset tracker designed for assets that change location less often or where frequent updates are not required.

Key features:

- Compact and small.
- IP67 weather-resistant housing.
- Operating temperature -20°C to +65°C.
- Unit typically sleeps in an ultra-low power state; adaptive tracking (optionally) uses accelerometer and GPS to wake up and increase data frequency during motion.
- Takes 3 standard “AA” size 1.5V Lithium batteries.
- Long battery life using industrial grade batteries; typically 1-4 years for less regular updates and up to 5 years using once daily updates.
- UBLOX MAX-M8Q GPS module supports concurrent GPS and GLONASS satellites.
- Low noise GPS amplifier.
- GPS AssistNow Offline.
- Flash memory has sufficient space to hold data for many months when out of range.
- Configurable by Over The Air (OTA) update.
- Recovery mode.
- High G-force notifications.



ST-2200 SigFox



The ST-2200 SigFox is a small compact GPS asset tracker designed for assets that change location less often or where frequent updates are not required.

SigFox devices are low cost and low power consumption. In Australia, the SigFox network is provided by Thinxtra.

Key features:

- Compact and small.
- IP67 weather-resistant housing.
- Operating temperature -20°C to +65°C.
- Unit typically sleeps in an ultra-low power state; adaptive tracking (optionally) uses accelerometer and GPS to wake up and increase data frequency during motion.
- Takes 3 standard “AA” size alkaline or 1.5V Lithium batteries.
- SigFox devices do not require a SIM and use considerably less power.
- SigFox data charges are typically much lower.
- SigFox does offer better building penetration.
- SigFox network in Australia is due to reach 95% end 2017.
- Long battery life using industrial grade batteries; typically 3-4 years for regular updates and up to 7 years using once daily updates.
- UBLOX MAX-M8Q GPS module supports concurrent GPS and GLONASS satellites.
- Low noise GPS amplifier.
- Configurable by Over The Air (OTA) update where supported by SigFox data plan.

Thinxtra Subscription Levels

Subscription Level	Uplink per day	Downlink per day
Platinum	101-140	4
Gold	51-100	2
Silver	3-50	1
One	1-2	0