

Pigtail Cover



POWER

Connector Cover



REGULAR

PARTS

Network LED



Power LED



AT1000 Regular Charger



CRADLE



Tamper Switch when cradle is off



AT1000 LTE

What's New?

CelloTrack LTE Plus™

Next Level Asset Management & Sensor Tracking Solutions

The CelloTrack LTE Plus product line is designed for advanced asset tracking with remote monitoring, that features enhanced functionality, robustness and ease of installation. The CelloTrack LTE Plus is suitable for a wide variety of asset management applications that require a long operational life with or without a power source.

The CelloTrack LTE Plus product line is available in 3 HW variants:

CelloTrack Standalone

Rechargeable unit designed for non-powered assets

CelloTrack Power

Rechargeable unit designed for assets which have a power connection

CelloTrack 10Y

Non-rechargeable unit which enables up to 10 years of operational lifetime



Taking Asset Tracking to the Next Level

Highlights

- Based on LTE Cat 1 NA modem with 3G as a fallback network
- Supports a Short-Range RF Wireless Sensor Network
- GPS and GLONASS positioning for greater accuracy and more versatility
- Rugged housing with IP67 rating
- 3D accelerometer for movement and towing detection
- MMI: programmable push button (on/off/test/panic) and two monitoring LEDs for GSM/GNSS status
- ISO16750 compliance (shock, temperature, humidity, UV, chemical, salt)
- Up to 100 built-in Geo-Fences
- Supports OTA configuration and FW upgrades
- Tampering detection mechanism to detect tampering of device from mounting surface



Use Cases

Logistics, Cold Chain & Security

The CelloTrack product line enables you to verify that the required shipment conditions of high-value goods shipped from manufacturer sites or distribution centers are kept according to the defined specifications. Real-time alerts are generated when the goods are mishandled – for example, if they are unloaded at the wrong address, deviate from the planned route, or are opened unexpectedly. The CelloTrack product line, used with MultiSense devices, enables on-the-fly responses when breaches of the required temperature or humidity thresholds occur, and enables compliance with the strictest cold chain regulations (EN 12830).

Construction & Heavy Equipment

Trucks, earth-movers, paving equipment, dumpsters, generators and machinery – often left for long periods on construction sites – are expensive to replace and, if stolen, can significantly interrupt work progress. The robust, water and dust resistant CelloTrack device can easily be deployed and concealed on all types

of heavy equipment. The device will immediately generate alerts when the equipment is moved and provide its precise location to the stakeholder. The CelloTrack 10Y, with a 10 year operational lifetime using a non-rechargeable battery, can be used for assets located in hard to reach locations, where maintenance is not possible to perform.

Rental Equipment

The easy to install CelloTrack device enables stakeholders to remotely and efficiently monitor the status of their rented assets' usage, including storage containers, construction machines, electricity generators, caravans, chemical toilets and more. During the rental period, the location, displacement, operation hours (by movement), door status and other inventory management aspects for adherence of contractual obligations can all be monitored. The CelloTrack 10Y device is ideal for long term leasing applications where the unit is installed for several years, and then no longer used.



AT1000 LTE Network

NETWORK

The AT1000 LTE can function on two network connectivity settings which are LTE and 3G.

LTE is the setting that the device will initially try to connect with and if the device is not able to connect through LTE, it will revert to 3G.

POWERING ON

- Hold the circular **power button for about 5 seconds** or more or until you see a solid **GREEN LED** light appear on the power/(right) LED when you have the head/pigtail of the AT1000 facing upwards.
- The power/(right) **GREEN LED** should stay on for 5 seconds and this should be followed by a slow flashing green on the Network/(left) LED indicating that the device is trying to capture GPS satellites.



- **NOTE:** If the power/right LED turns RED and starts flashing as soon as you turn on the device, this would mean that the device is not charged up. If the device had been charged, then this would mean there is an issue with the internal battery keeping a charge.

POWERING OFF

- Press and Hold the circular **power button for 5 seconds** or more or until you see a solid **RED LED** light appear on the power/right LED for about 5 seconds.
- This should be followed by a **RED LED** flashing on the power/right LED of the device for 30 seconds until no more lights can be seen. This device is now turned off.



CHARGING

- AT1000 POWER: Wire the device to an external power providing 9 – 32 Volts.
- AT1000 REGULAR: A charger should be provided. The light on the end of the charger that goes into the socket will turn RED if the device is charging and GREEN if the device is charge.

TRIGGERING TAMPER/EMERGENCY

- Emergency: Press the circular power button for 5 seconds. This should be followed by a flash on the power/right LED.
- Tamper: Remove cradle and press the tamper button.

INPUTS

- Please note that the AT1000 LTE POWER supports the same amounts of inputs as the AT1000 3G version. The below highlighted in yellow are for the inputs.

1. red VCC (9-32v) +

2. black Ground (GND) + 1

3. orange General Purpose I/O (GPIO) +

4. brown General Purpose I/O (GPIO) +

AT1000 Hardwire Installation Diagram with Sensor

