

A stylized teal graphic consisting of two overlapping, wavy, leaf-like shapes that curve upwards and to the right, positioned on the left side of the page.

ASSET TRACKER

KernelSphere

A large, dark blue wavy graphic that spans across the bottom half of the page, resembling a stylized wave or a curved banner.A cluster of light blue bubbles of various sizes, located in the bottom right corner of the page.

Asset Tracker

This Asset Tracker is a general-purpose tracker designed for general GPS tracking on various assets: bicycles, pets, kids or seniors. It communicates with the IoT AP/Gateway using the IEEE 802.15.4g protocol standard for long range wide area deployments. Typical deployment is using star network configuration similar to mobile network base station. Because of its long range, high penetration and high sensitivity capabilities, it is a much more cost-effective way for service providers to deploy this for tracking applications than to use GPRS network. The tracker is equipped with GPS, 3-axis accelerometer, and temperature sensor. It also has BLE for pairing and user configuration usages.

Features of Asset Tracker

- Increase Productivity
- Reduce Operation Costs
- Save Money on Fuel
- Control Work Hours
- Better Customer Service
- Reduce Insurance Costs
- Increase Security
- Improve Dispatching

Specifications

Wireless Frequency Band	865 ISM (option support for European band 868 MHz)
Operating Voltage	Battery power with docking station for charging
Receive Sensitivity	-136 dBm typ.
Operating Temperature	-10°C ~ 50°C
Dimensions	L:59 x W:24 x 11.5mm
Number of Channel	Configurable 8 channels (SKU-EU)
Transmit Power	+20 dBm
Antenna Type	Internal antennas
Modulation	Based on IEEE 802.15.4g
LED indicator	TBD
Protection Requirements	IP67