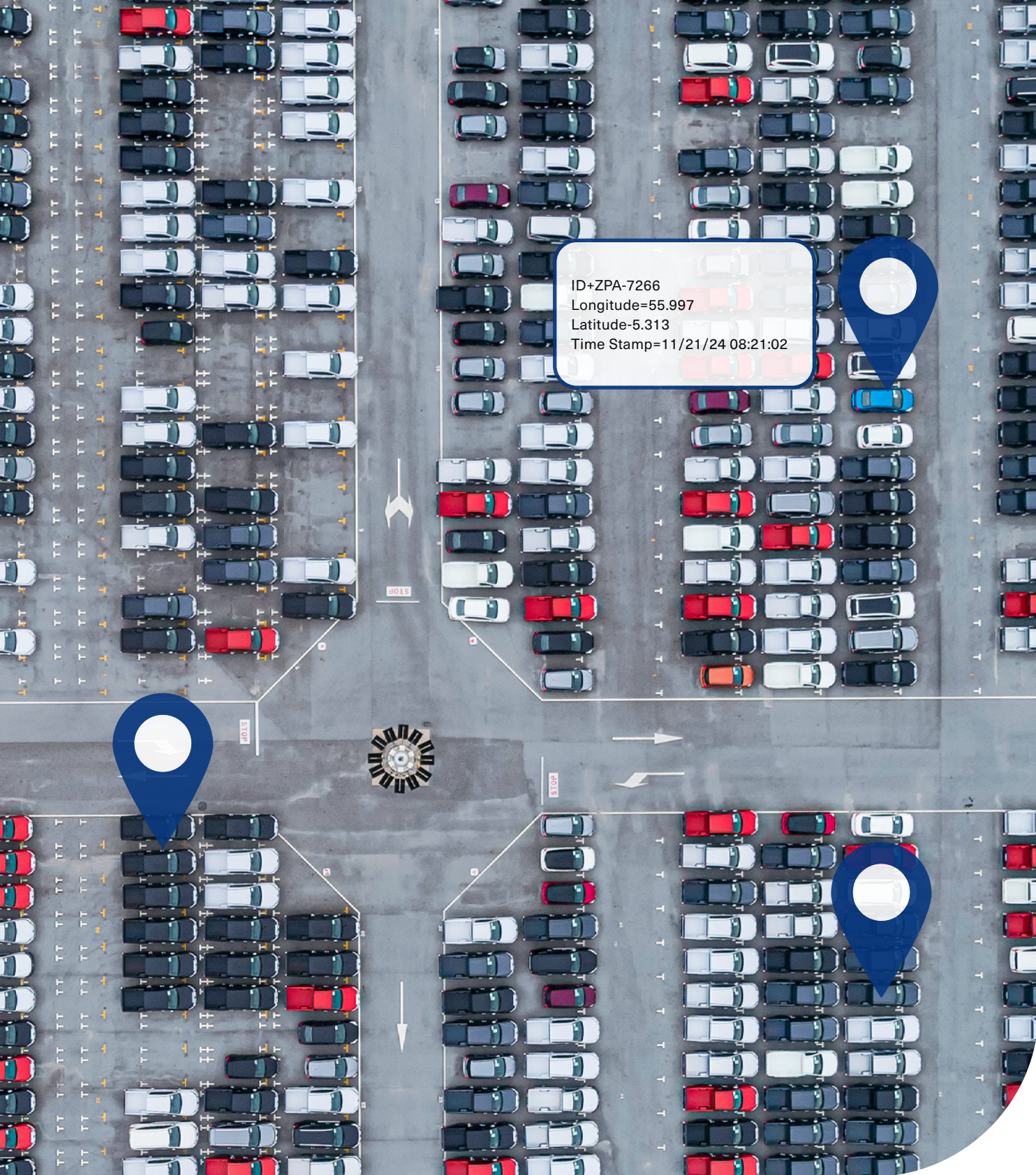




BEEKs Asset+ Evaluation Kit

Industrial LoRaWAN GNSS Tracker Evaluation Kit
for Indoor and Outdoor RTLS





Indoor/Outdoor RTLS – LoRa & Bluetooth Low Energy Kit

Indoor/Outdoor RTLS – LoRa & BLE Kit

Pre-Configured Tags

BEEKs™
Ruggedized Sense Asset+



OR
Hanger Sense Asset+



Pre-Configured Gateways
Inclusive of LNS Service

BluFi™
For Indoor Tracking



Pre-Configured
Bluzone Cloud Applications

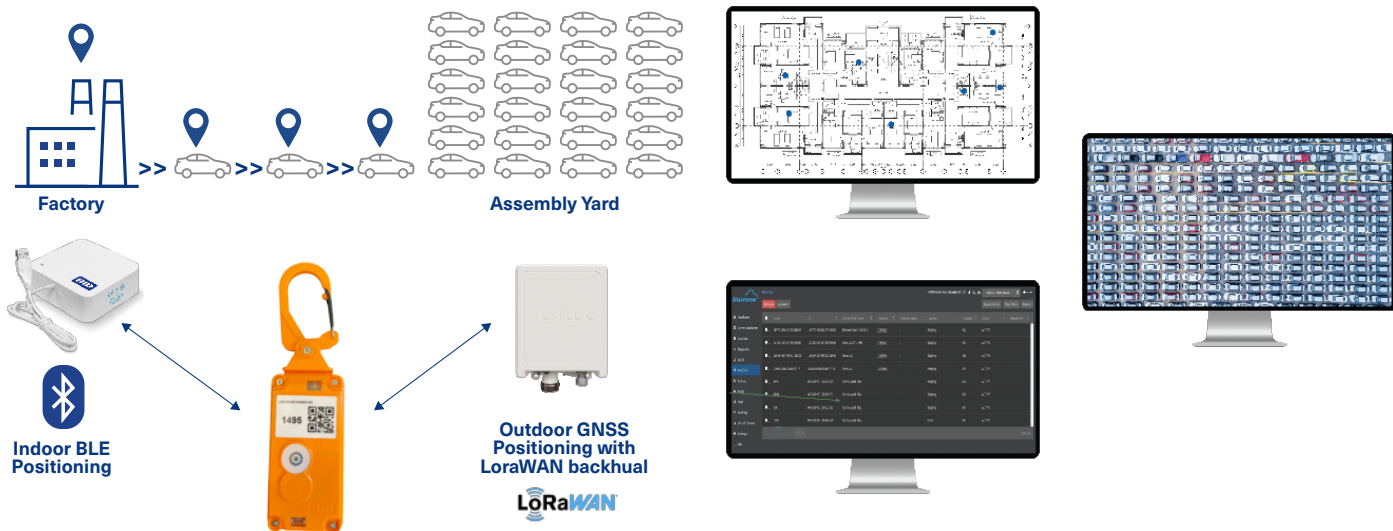
Bluzone™
Asset Location App & Service



The evaluation kit is an advanced solution designed for industrial-grade real-time location system (RTLS) applications in challenging environments. Combining ultra-rugged construction with cutting-edge LoRaWAN GNSS & Bluetooth® Low Energy technologies, this evaluation kit provides a comprehensive platform for testing and deploying robust location tracking solutions both indoors and outdoors over wide areas.

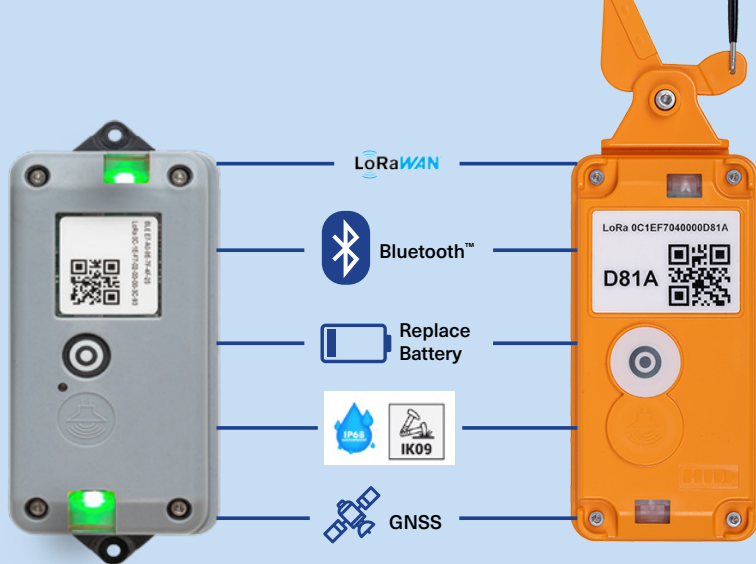
The BEEKs Asset+ is a ruggedized industrial tracker that utilizes GNSS with LoRaWAN for wide area outdoor asset tracking and Bluetooth Low energy for indoor real-time location, it is equipped with ultra-bright LEDs and a buzzer to facilitate asset identification for location and picking applications, this evaluation kit enhances asset identification and tracking efficiency in challenging settings.

Sense Asset+ comes in two versions: The standard version allows fixation via cable ties or rivets to a multitude of assets. The Hanger version is designed for quick attachment and removal to a vehicle's rear-view mirror, large cables etc.



KEY FEATURES:

- Includes all necessary components for easy evaluation and testing, allowing users to assess the performance and functionality of the tracker in real-world scenarios. The kit is supplied pre-configured and simply requires users to provide power and network access to the gateways to facilitate effortless and easy POCs and trials of the full solution.
- Withstands extremely harsh conditions due to ultra-rugged design, including impact, water, dust, shock, and vibration, making it ideal for industrial and outdoor environments. The BEEKs Asset+ is IP68 rated for ingress protection and IK09 for impact resistance.
- Utilizes LoRaWAN connectivity technology for long-range communication, ensuring reliable data transmission over extended distances.
- Integrates advanced multi-constellation GNSS technology for precise indoor and outdoor location tracking.
- Aids with asset identification; capable of locating a specific asset within a rack or storage. The device's ultra-bright LED and buzzer help quickly identify individual assets.
- Includes access to three-month LNS service and comprehensive cloud software suite, Bluzone Cloud, for data analysis & visualization, cloud management and monitoring platform with rule engines, geofences alerts and full REST API set to easily integrate into customers' existing systems.
- Deploys quickly and hassle-free, with mounting options for various surfaces and environments.
- Offers flexibility with configurable parameters, enabling users to customize settings and optimize performance based on specific requirements.
- Includes a high-capacity replaceable battery for extended operation, ensuring continuous tracking capabilities.



APPLICATIONS:

The ultra-rugged construction of the device makes it suitable for a wide range of IoT applications. HID BEEKs Asset+ is ideal for applications requiring medium to long-range tracking such as mining, laydown yard management or asset management, and can be used for tracking of industrial assets such as construction equipment, pipes, cable spools and ground support equipment.

Yard Management. Provides accurate positioning of industrial assets and vehicles stored in large outdoor yards.

Industrial Asset Tracking. Enables precise tracking of equipment, machinery, and tools in industrial environments, optimizing asset management and maintenance processes.

Outdoor Equipment & Fleet Monitoring. Provides real-time monitoring of outdoor equipment, such as vehicles, containers, and trailers, enhancing security and operational efficiency.

Construction Site Management. Facilitates efficient management of construction sites by tracking the location of assets, containers, vehicles and materials in real-time.

Warehouse and Logistics. Optimizes warehouse operations and logistics processes by tracking the movement of goods, pallets and containers throughout the supply chain.

Vehicle tracking. Track and maintain visibility of vehicles stored in large parking facilities such as offsite carparks, vehicle auctions, truck and trailer storage, vehicle production WIP and finished vehicle logistics. Whether vehicles are outside or inside manufacturing facilities/garages our solution provides full traceability of vehicle movement and location to optimize workflows and assist in rapid locating of vehicles.

BEEKS ASSET+ TECHNICAL SPECIFICATIONS:

- Connectivity: LoRaWAN 1.0.4, Bluetooth Low Energy & NFC for configuration, Supports LoRa Class A, B & C
- GNSS Technology: GPS & GLONASS
- Accuracy: Typically 5 meters
- Battery Life: Up to 3 years (depending on usage), 2x replaceable batteries
- Operating Temperature: -20°C to 60°C
- Compression Strength: >2000Kg (top down)
- Impact Resistance: IK09
- Ingress Resistance: IP68
- Certifications: MIL-STD-810H, FCC, CE, RoHS

EVALUATION KIT CONTENTS:

- 5x BEEKs Asset+ Rugged or BEEKs Asset+ Hanger LoRAWAN GNSS & Bluetooth Low EnergyTracker supplied with batteries
- 1x Tektelic Kona Enterprise LoRaWAN Gateway, outdoor IP67 rated carrier grade gateway
- 2x HID DC BluFi (BLE gateway for Indoor RTLS)
- 3 months access to Bluzone Cloud application including RTLS & LoRa LNS license for indoor and outdoor tracking
- 1x Omnikey 5022 NFC tool
- Power supplies, tool and cables required to enable a plug and play experience
- Electronic user manual
- Support and training as required to facilitate evaluation of the technology

KIT PART NUMBERS:

With BEEKs Asset+ Rugged

- EU Kit: BVBAPSK-EU-P
- US Kit: BVBAPSK-US-P

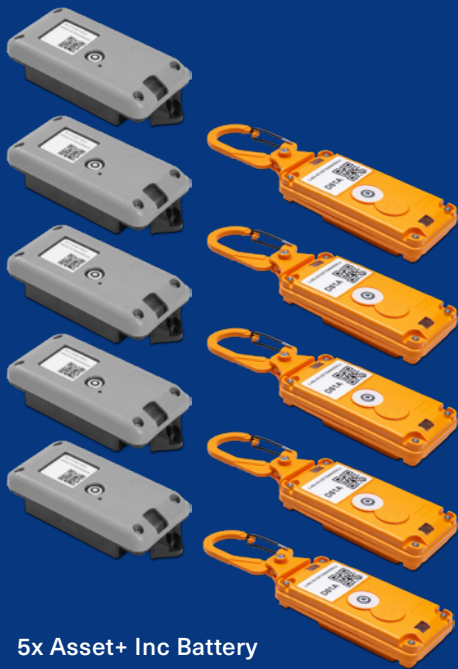
With BEEKs Asset+ Hanger

- EU Kit: BVBAPSK-H-EU-P
- US Kit: BVBAPSK-H-US-P



The BEEKs Asset+ Rugged LoRaWAN GNSS Tracker Evaluation Kit offers a robust and reliable solution for industrial-grade RTLS applications. With its ultra-rugged design, advanced features, and comprehensive evaluation kit, it provides a powerful platform for testing and deploying high-performance location tracking solutions in the most demanding environments.

Kit Content



5x Asset+ Inc Battery
or
5x Asset+ Hanger



2x BluFI DC



3 months access to
Bluzone including LNS access



1 x Omnikey 5022
NFC tool



1x Tektelic Kona
Enterprise Inc
pole mount kit
Ethernet Only
(non cellular)

Accessories



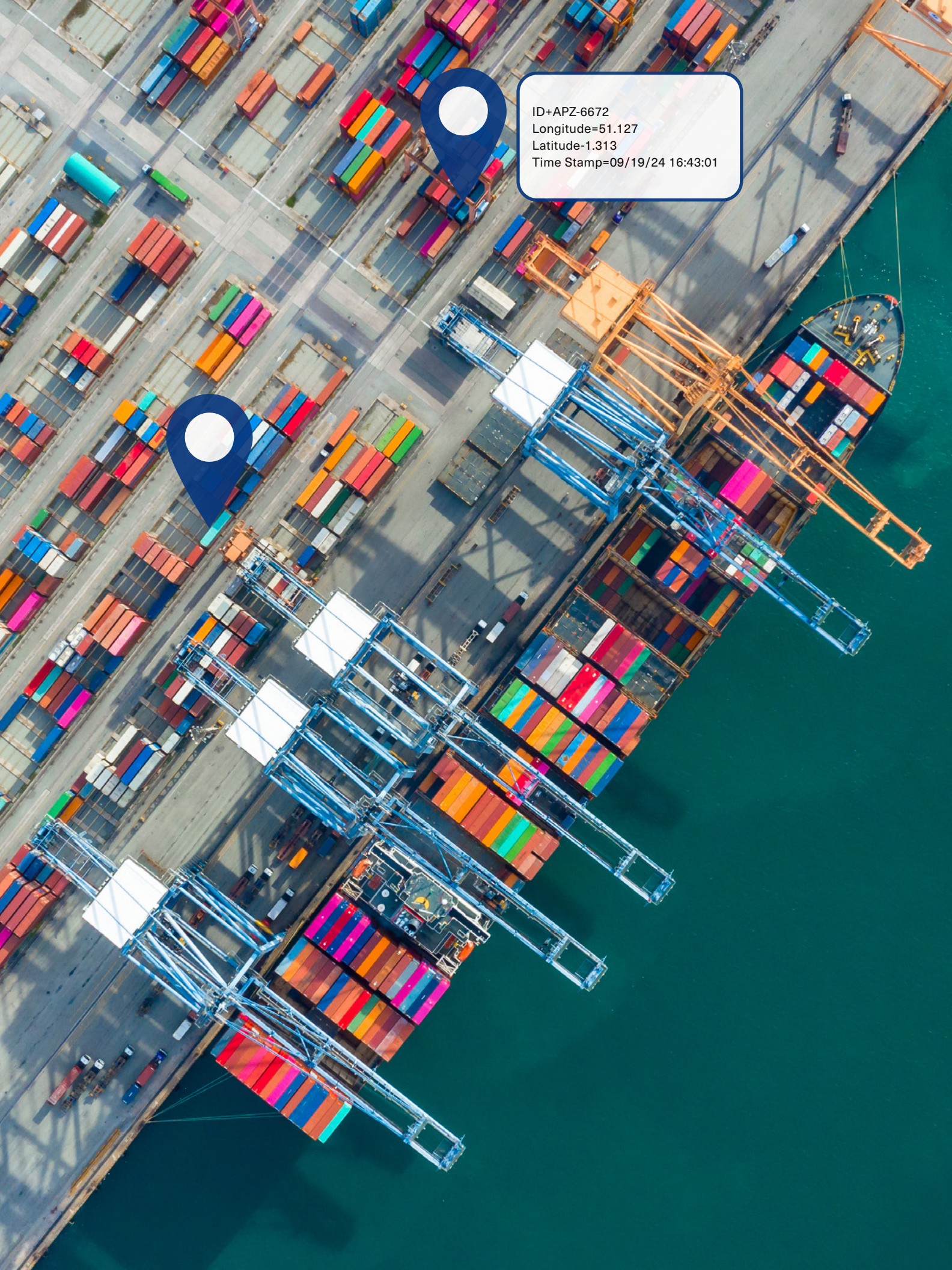
1x 2.5mm Hex T key



1x 55w POE injector &
EU/US power lead



2x Ethernet Patch
cable 3.28ft



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hidglobal.com

North America: +1 512 776 9000

Toll Free: 1 800 237 7769

Europe, Middle East, Africa: +353 91 506 900

Asia Pacific: +852 3160 9800

Latin America: +52 55 9171-1108

For more global phone numbers [click here](#)

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