



LYNGSOE BLUETOOTH LOW ENERGY ASSET TAG™

THE BLE TAG PROVIDES A LOW TOTAL COST OF OWNERSHIP FOR SMART LOGISTICS SOLUTIONS

ASSET TRACKING

The BLE tag is designed for tracking of logistics assets such as containers, roll cages, etc. Applying the BLE tag enables you to increase efficiency and productivity in addition to reducing equipment costs by enabling individual and crowd scanning of assets. The benefits are enabled by consolidating and enriching the asset data in Lyngsoe LIVE Logistics™ - our platform for collecting, governing, transforming and sharing real-time logistics tracking data.

The BLE tag includes features to lower the cost of ownership:

- Battery size is selected to exceed the life of the asset (no need to replace the battery)
- The tag enclosure design supports fast and easy installation (attachment in 10-20 seconds) and can be mounted on multiple types of bars with straps or cable ties.

APPLICATION MARKETS

The discrete look, optimized for easy installation on a range of different containers or roll cage types, makes it ideal for multiple markets such as; Postal, Retail Supply Chains and 3PL.

STANDARDIZED BUT ENHANCED - MULTIPLE TECHNOLOGIES

The BLE tag operation is compliant with the BLE 5.0 standard and is backward compatible with BLE readers that support BLE version 4.x. It includes optional passive RFID to be read by fixed passive infrastructure as well as handheld scanners. The tags also include smart features that utilize the Lyngsoe RTLS and exciter technology to provide exact positioning (< 1m) of the BLE tag at operational processing points such as on conveyors, sorting machines or truck gates (optional).

OPERATIONAL LIFE

The BLE tag has a built-in, advanced power management module to provide a long lifetime battery to enable extended operation. The tag materials are selected to support +10 years' lifetime in harsh industrial environments.

BENEFITS

- Low Cost of Ownership
- Class leading battery life +10 years
- Fast and easy attachment
- Smart BLE beaconing activation features
- Smart energy management
- Smart features to provide exact positioning
- Multiple detection capabilities – fixed and mobile readers depending on application



SPECIFICATIONS

LYNGSOE BLUETOOTH LOW ENERGY

BLE TAG

- BLE protocol baseband hardware Bluetooth 5.0 compliant
- Operational life up to 10 years
- Energy storage monitor
- Operation temperature: -25 °C - +55 °C / -13 °F - +131 °F
- IP rating IP68
- BLE read range up to 50 meters / 164 ft
- BLE transmission frequency 2.4 GHz

PHYSICAL CHARACTERISTICS

- Supports multiple tie wrap mounting options
- Tamper proof mounting locking features
- Size: 12 cm x 6 cm x 3 cm / 4.72" x 2.36" x 1.18"
- Barcode label: 3 cm x 4 cm / 1.18" x 1.57"

OPTIONAL FEATURES (HARDWARE DEPENDENT)

Add-on features available for enhanced BLE tags functionality include:

- Smart BLE beaconing activation
- Dynamic smart energy management
- Integrated passive tag, GS1 UHF Gen2
- Lyngsoe LF excitation (range 3 meters / 10 ft)
- Motion sensing
- Temperature sensing
- NFC wake up & programming
- Customized enclosure (minimum volume requirement)
- Automatic over the air firmware update

