



## Wirepas mesh tag/anchor

The EverTag series is made for ever tracking and monitoring your assets. Harsh conditions, year after year.

Our aim is to build best Wirepas tags for large scale deployments. EverTag is rugged, easily installed and maintained (if ever needed) and designed for large-scale Wirepas mesh applications.

- **Durable design:** IP68-rated with two replaceable batteries.
- **Easy Installation:** Setup via NFC and Wirepas API for quick deployment.
- **Unique features:** Asset utilization, on-chip temperature, tampering detection, encrypted settings and more.
- **Superior Range:** +8dBm power output enables fewer anchors and ensures strong penetration in challenging environments.
- **Best network resilience:** 256kB RAM ensures industry leading message buffering during power outages to ensure uninterrupted operations.
- **Future-proof:** 1MB flash supports additional and customizable project-specific features for long-term scalability.
- **Customizable** with your logo, colour and firmware features.

Scratch resistant overlay protecting your logo with a fully readable label even after years of ware and tare.

**Applications:** Asset management and tracking applications - indoors and outdoors. Monitoring of asset utilization, smart load carriers, pick-by-light applications, large-scale anchor deployments and more.

**Industrial asset tracking** [cargobeacon.com](https://cargobeacon.com)



FEAUTRES - model 230 xxx	010	012	015
Outdoor and indoor use	•	•	•
Temperature	•	•	•
Utilization data	•	•	•
Replaceable batteries	•	•	•
Up to +10 years battery life	•	•	•
LED and button support	•	•	•
±0.1°C temp. accuracy		•	
Sound Sensor			•
Light Sensor			•

**CARGO BEACON**

# Join the asset tracking revolution!

Never before has it been so easy to track important assets indoors, outdoors and across premises indoors and outdoors. Wirepas mesh is an industrial IoT infrastructure that is **deployed in no-time**. This infrastructure lets you use tags to track and monitor tools and equipment inside and outside your premises. **5m accuracy**, every **5 minutes** without maintenance for more than **5 years**.

Additionally, we offer sophisticated mobile apps for both **iOS** and **Android**, Supporting NFC and BLE deployment for efficient setup and management.

## Solution overview

### MESH LOCATION



A system consists of a mesh gateway and a number of tags - either configured as anchors or asset tags. Anchors are attached to walls and automatically forms an industrial mesh network. Asset tags regularly use the mesh network to automatically provide its location.

Perfect for **large scale** asset tracking in industrial yards and **facilities**.

### PROXIMITY LOCATION



The tag is configured to also advertise its presence using BLE-beaconing.

This makes the tag readable also for stationary gateways, mobile gateways and smartphone apps.

Perfect complement for **low-latency notifications** and **global tracking** outside the mesh-network.

## Technical specifications 230 xxx

### GENERAL

**Battery Life** 2 pcs replaceable Lithium coin cell CR2477. 10 years battery life (typical operating conditions)

**Material** Polycarbonate + PBT

**Operating Environment** -20 to +70 °C, IP68

**Approvals** CE, FCC, IC, CMIT, MIC, KC

**Mounting** Permanent mount with Screw, lash or tape. Semi-permanent with tag holder in plastics or metal.

### ACCELEROMETER

**Acceleration range** ±16g

**Resolution** 0.192G

### HUMAN INTERFACE

**Push button** For alert notifications and first power-up

**LED** Red

### WIRELESS-INTERFACE

**2.4GHZ** Wirepas mesh v5.3  
+8dBm output power  
Operating frequency: 2402-2480 MHz

**NFC** ISO/IEC 14443A

**CHIP** Nordic nRF52840  
1024kB flash/256kb RAM

### ON CHIP TEMPERATURE SENSOR

**Resolution** 0,5°C

**Accuracy** ±2,5°C @25°C  
±5°C @full operating temperature

### DIMENSIONS

**Width:** 65mm

**Height:** 15mm

**Depth:** 40mm



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