

Wirepas mesh tag

The rugged EverTag series tracks and monitor your assets in harsh conditions – year after year.

Half the size of its bigger brother, EverTag, this tag is optimized for large-scale industrial deployments. Despite its size, it delivers powerful performance, flexible mounting, and intelligent sensing – making it ideal for tracking assets and gear in dynamic environments.

- **Compact & rugged:** IP68-rated and made from industrial-grade materials, ideal for harsh environments.
- **Replaceable battery:** Powered by a CR2477 coin cell for up to 5 years under typical use.
- **Easy Installation:** Setup via NFC and Wirepas API for quick deployment.
- **Flexible installation:** Install with our different tag holders or adhesive
- **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.
- **Orientation detection:** Motion and tilt sensors detect usage patterns
- **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.

Applications: Asset management and tracking applications - indoors and outdoors. Personnel tracking and safety in industrial environments, including construction sites, manufacturing plants, warehouses, tunnels, power plants, and heavy industries for optimized workflows and emergency response.

Sounds interesting? Learn more at cargobeacon.com



FEAUTRES - model 231 xxx

010

Outdoor and indoor use	•
Temperature	•
Utilization data	•
Replaceable battery	•
LED support	•
Wirepas Mesh connectivity	•
Orientation detection	
±0.1°C temperature accuracy	
BLE connectivity	

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**.

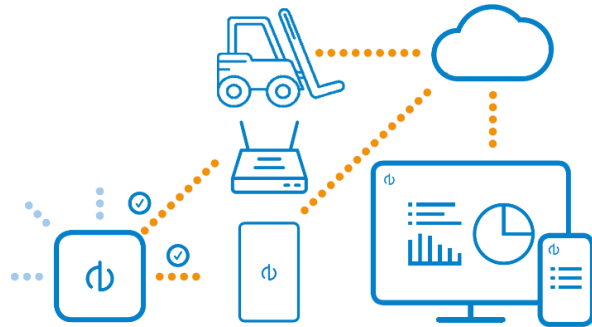
Solution overview

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

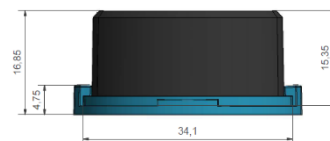


The tag is configured to also advertise its presence using BLE-beaconing. This makes the tag readable also for stationary gateways, mobile gateways and smartphone apps. Perfect complement for **low-latency notifications** and **global tracking** outside the mesh-network.

Technical specifications 231 xxx

GENERAL		WIRELESS-INTERFACE	
Model numbers	231 xxx	2.4GHZ	Wirepas mesh v5.3 +8dBm output power Operating frequency: 2402-2480 MHz
Battery	1 pcs replaceable Lithium coin cell CR2477. 4-5 years battery life (typical tag operating conditions)	NFC	ISO/IEC 14443A
Material	Polycarbonate + PBT	CHIP	Nordic nRF52840 1024kB flash/256kb RAM
Operating Environment	-20 to +70 °C, IP68	ON-CHIP TEMPERATURE SENSOR	
Approvals	CE, FCC, IC, CMIT, MIC, KC	Accuracy	±2.5 °C@25°C ±5°C @full operating temperature
Mounting	Semi-permanent with tag holder or double adhesive tape.	Resolution	0.5 °C
SHOCK SENSOR		DIMENSIONS	
Acceleration range	±16g	Diameter:	Bottom 38mm
Resolution	0.192g	Height:	15.35mm 16.9mm including tag holder
HUMAN INTERFACE			
LED	Red		
Push-button	For alert notifications and first power-up		

Dimensions



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