



 CARGO BEACON

EverTag T Mesh

## High-Precision Temperature

This cutting-edge, battery-powered Wirepas tag is designed to provide precise and reliable temperature readings across a range of critical industries.

EverTag T Mesh combines our advanced Wirepas localization engine with a high-accuracy temperature sensor, making it essential for industries that require strict temperature monitoring.

- **High-Precision Temperature Sensor:** Measures temperature with +/- 0.1°C accuracy and a resolution of 0.01°C. Prepared for 5-point calibration\*
- **High Ingress Protection and:** Replaceable batteries with dust and water resistance, well suited for sterile and clean environments.
- **Tampering Detection:** Alerts for unauthorized access.
- **Power Efficiency:** Low power consumption extends battery life.
- **Easy Installation** Setup via NFC and Wirepas API for quick deployment.
- **Nordicsemi nRF52840:** High-end chipset for superior network performance, range up to 200m in anchor mode.
- **Customizable:** Custom logos, colors, and firmware with a resistant overlay.

### Applications:

EverTag-T's high-precision temperature monitoring can safeguard critical applications in **healthcare** (pharmaceuticals, vaccines), **food safety** (storage, transport), **manufacturing** (sensitive products), **logistics/warehousing** (climate-controlled environments) and **cold chain** monitoring (temperature control for perishable goods, from production to delivery)

Uninterrupted Peace of Mind: Pair EverTag-T with a gateway and UPS for an enhanced monitoring system. This combination ensures continuous alerts, even during power outages, keeping your critical assets secure.

Sounds interesting? Learn more at [cargobeacon.com](http://cargobeacon.com)



### FEAUTRES - article 230

	010	012	013	100
Outdoor and indoor use	•	•	•	•
Temperature	•	•	•	•
Utilization data	•	•	•	•
Replaceable batteries	•	•	•	•
Up to +10 years battery	•	•	•	•
LED and button support	•	•	•	•
±0.1°C temp. accuracy		•		
Sound Sensor				•
Light Sensor				•
Advanced digital I/O				•
External Power				•
Low Latency BLE Scanning				•

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# 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 seamless and 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

### GENERAL

<b>Battery Life</b>	2 pcs replaceable Lithium coin cell CR2477. 10 years battery life (typical operating conditions)
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<b>Material</b>	Polycarbonate + PBT
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<b>Operating Environment</b>	-20 to +70 °C, IP68
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<b>Approvals</b>	CE, FCC, IC, CMIT, MIC, KC
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<b>Mounting</b>	Permanent mount with Screw, lash or tape. Semi-permanent with tag holder in plastics or metal.
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### ACCELEROMETER AND GYROSCOPE

<b>Acceleration range</b>	±16g
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<b>Resolution</b>	0.192G
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### HUMAN INTERFACE

<b>Push button</b>	For alert notifications and first power-up
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<b>LED</b>	Red
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### WIRELESS-INTERFACE

<b>2.4GHZ</b>	Wirepas mesh v5.3 +8dBm output power
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<b>NFC</b>	ISO/IEC 14443A
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<b>CHIP</b>	Nordic nRF52840 1024kB flash/256kb RAM
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### TEMPERATURE SENSOR

<b>Resolution</b>	230010: 0,5°C 230012: 0,01°C
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<b>Accuracy</b>	230010: ±1,5°C at 25°C 230012: ±0,1°C from -20°C to +50°C
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### DIMENSIONS

<b>Width:</b>	65mm
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<b>Height:</b>	15mm
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<b>Depth:</b>	40mm
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### General information and sales:

Phone: +46 271-808284

Email: [sales@cargobeacon.com](mailto:sales@cargobeacon.com)

Web: [cargobeacon.com](http://cargobeacon.com)

### Visiting address:

Norra Ösavägen 11 A

822 40 Alfta

Sweden