



## Tags and badges

### Blue COIN ID + Mesh

Ref. IDF10451



#### Track and locate even your smallest equipment with ease!

- Long-range wireless communication using **mesh network** topology
- Simple deployment, maintenance, and scale up
- Over-the-air (OTA) firmware update via network
- **Pick to light** system: integrated LED
- BLE advertising frame function
- Robust industrial casing – **IP68 water protection rating**
- Integrated **NFC** chip

#### TECHNICAL SPECIFICATIONS

<b>Operating modes</b>	<b>MOBILE Mode:</b> periodic transmission of identifier and location <b>Indicator light</b> controllable via network
<b>Parameters and configuration</b>	Interface/protocol NFC (Type 2) Configuration: Device Manager/ Mobile Manager application (Windows / Android) <ul style="list-style-type: none"> <li>• Activation / deactivation</li> <li>• Configuration of identifier (3 Bytes), address, and Wirepas network channel</li> <li>• Transmission period (15 seconds to 18 hours - configurable in seconds)</li> <li>• BLE advertising frame: Transmission interval, name, and power</li> <li>• Acceleration level for moving event wake up</li> </ul> Network configuration and diagnostics with Wirepas Network Tool application
<b>Sensor performances</b>	<b>Location precision:</b> 5 to 10 meters <b>Accelerometer:</b> 3-axis accelerometer for moving event detection (battery life extension) Range: -8g to 8g Wake up level: from 32 mg to 8000 mg
<b>Frequency</b>	2.4 GHz – BLE channels / Mesh network
<b>Output power</b>	Up to +4 dBm (adaptive/smart network)
<b>Range</b>	Up to 100 meters free field (+4 dBm)
<b>Power supply</b>	3 VDC – Internal lithium battery
<b>Battery life</b>	- Up to 6,5 years (Mobile mode for a period of 12 hours of location) * - Battery voltage level sent via network and on MQTT Topic  <i>*For more detailed battery lifetime specification please refer to autonomy spec sheet</i>
<b>Operating temperature</b>	-30°C to +70°C
<b>Casing</b>	Ø 36 mm base - height 10 mm IP 68 waterproof rating - weight 16 g DELRIN (POM C) - Compatible with food products (90/128/EEC)
<b>Standards</b> (*) Certification in progress	EC (Europe)*: EN 300 328/ EN 301 489 & EN 55032 / EN 62368-1 FCC (USA)*: FCC 15.247 / FCC PT 15B; ISED (Canada)*: RSS-247 / ICES-003 RoHS
<b>Accessories</b>	Tag support: COIN HOLDER STICKER (ACIOM92B), Double sided direct fixation of the tag: COIN STICKER (ACIOM187)