



Tags and badges

## Blue PUCK T Mesh

Réf. IDF 25441



**The new industrial reference in the world of wireless temperature sensors in Mesh network!**

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

### TECHNICAL SPECIFICATIONS

<b>Operating modes</b>	<p><b>Autorole Mode:</b> periodic data transmission of temperature measurement</p> <p><b>PICK TO LIGHT function:</b> remotely actionable via the network</p>
<b>Parameters and configuration</b>	<p>Interface/protocol NFC (Type 2)</p> <p>Configuration: Device Manager/ Mobile Manager application (Windows / Android)</p> <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> </ul> <p>Network configuration and diagnostics with Wirepas Network Tool application</p>
<b>Sensor option / performances</b>	<p><b>Temperature sensor:</b></p> <p>Working temperature range: -40 to 85 °C</p> <p>Resolution: 0,0625 °C</p> <p>Accuracy: ±0.5°C maximum (0°C to 65 °C)</p> <p>±1°C maximum (-40°C to 0°C et 65°C to 85°C)</p>
<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 140 meters in open field (+4 dBm)
<b>Power supply</b>	3 VDC – Internal lithium battery
<b>Battery life</b>	<ul style="list-style-type: none"> <li>- Up to 4 years with a data transmission every minute*</li> <li>- Battery voltage level sent via network and on MQTT Topic</li> </ul> <p><i>*For more detailed battery lifetime specification please refer to autonomy spec sheet</i></p>
<b>Operating temperature</b>	-40°C to +85°C
<b>Casing</b>	Ø 57 mm base - height 20 mm; IP 68 waterproof rating - weight 36 g DELRIN (POM C) - Compatible with food products (90/128/EEC)
<b>Standards</b>	EC (Europe): EN 300 328/ EN 301 489 & EN 55032 / EN 62368-1 - RoHS FCC (USA): FCC 15.247/FCC PT 15B; ISED (Canada)*: RSS-247/ICES-003
<b>Accessories</b>	PUCK HOLDER STICKER (ACIOM92B), PUCK STICKER (ACIOM188)