



## Tags and badges

# Blue PUCK RHT Mesh

Réf. IDF25442



**The new industrial reference in the world of wireless temperature & humidity 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 – **IP65**
- 👁 Integrated **NFC** chip

### TECHNICAL SPECIFICATIONS

<b>Operating modes</b>	<b>Autorole Mode:</b> periodic data transmission of temperature and humidity measurement		
<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> </ul> Network configuration and diagnostics with Wirepas Network Tool application		
<b>Sensor option / performances</b>		<b>Temperature sensor</b>	<b>Humidity sensor</b>
	<b>Operating range</b>	-40 to 85 °C	0% to 100%
	<b>Resolution</b>	0.01 °C	0.01 %
	<b>Accuracy</b>	±0,4 °C maximum	±2,5 % maximum (0% to 90%) ±3,5 % maximum (90% to 100%)
<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>	- Up to 4 years with a data transmission every minute* - 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>	-40°C to +85°C		
<b>Casing</b>	Ø 57 mm base - height 20 mm; IP 65 waterproof rating - weight 36 g DELTRIN (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)		