



Tags and badges

Blue PUCK MAG Mesh

Réf. IDF25443



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

- Long-range wireless communication using **mesh network** topology
- Magnet detection
- Simple deployment, maintenance, and expansion
- Over-the-air (OTA) firmware update via network
- Robust industrial casing – **IP68**
- Integrated **NFC** chip

TECHNICAL SPECIFICATIONS

Operating modes	Autorole Mode: periodic data transmission of magnet detection and detection counter
Parameters and configuration	Interface/protocol NFC (Type 2) Configuration: Device Manager/ Mobile Manager application (Windows / Android) <ul style="list-style-type: none"> • Activation / deactivation • Configuration of identifier (3 Bytes), address, and Wirepas network channel • Transmission period (15 seconds to 18 hours - configurable in seconds) • BLE advertising frame: Transmission interval, name, and power Network configuration and diagnostics with Wirepas Network Tool application
Sensor option / performances	Hall effect sensor: range 2cm typ. (detection only on the side of the arrow symbol) Magnetic state change detector: Immediate transmission on each magnetic state change Transmitted data: <ul style="list-style-type: none"> • Magnetic event counter: Counting the number of total magnetic state changes (16 bits) • Instant magnetic state (1 bit)
Frequency	2.4 GHz – BLE channels / Mesh network
Output power	Up to +4 dBm (adaptive/smart network)
Range	Up to 140 meters in open field (+4 dBm)
Power supply	3 VDC – Internal lithium battery
Battery life	- Up to 3 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>
Operating temperature	-40°C to +85°C
Casing	Ø 57 mm base - height 20 mm; IP 68 waterproof rating - weight 36 g DELTRIN (POM C) - Compatible with food products (90/128/EEC)
Standards	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
Accessories	PUCK HOLDER STICKER (ACIOM92B), PUCK STICKER (ACIOM188)