Tags and badges

Blue PUCK DI Mesh
Réf. IDF25446

WIREPAS

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

- Long-range wireless communication using **mesh network** topology
- Digital input managment
- 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 digital input state and state change counter
Parameters and configuration	Interface/protocol NFC (Type 2) Configuration: Device Manager/ Mobile Manager application (Windows / Android) • 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	**Digital input:** Static state: 3V Controllable by a simple switch High state detection: from 2.1V to 3V Low state detection: de 0V à 0.7V **Stage change detector:** Immediate transmission at each change of state **Input instant status:** (1 bit : 1 = closed contact, 0 = open contact**)** **Event counter:** Counting the number of passages at 1 of the entry (16 bits)
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 4 years with a data transmission every minute* - Battery voltage level sent via network and on MQTT Topic *For more detailed battery lifetime specification please refer to autonomy spec sheet*
Operating temperature	-40°C to +85°C
Casing	Ø 57 mm basis - height 20 mm Case provided with a 64 mm cable gland (excluding cable) IP 68 Waterproof - Weight – 50 g DELRIN (POM C) Adapted for food supply (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)