

Wireless sensors



Blue PUCK DI
Ref. IDF25246



Remotely manage your industrial accessories !

- Switch digital input management
- Extended transmission range: up to **500m** (free field)
- Battery lifespan: up to **20 years**
- Heavy duty industrial case - IP68 waterproof
- Built-in **NFC** chip

TECHNICAL SPECIFICATIONS

Operating modes	<p>Advertising mode: periodic data transmission</p> <p>Connected mode: Datalogger transmission (record of saved sensor data)</p>
Parameters and configuration	<p>Interface/protocol NFC (Type 2)</p> <p>Configuration: Device Manager Suite / Mobile application (Windows / Android)</p> <ul style="list-style-type: none"> • Activation / deactivation • BLE advertised name (15 characters max.) and transmit power • Transmission period (0,1 sec to 10 sec - configurable in seconds)
Sensor option / performances	<p>Digital input:</p> <p>Idle state: 3V</p> <p>High level detection: 2.1V to 3V</p> <p>Low level detection: 0V to 0.7V</p> <p>Input change detector: Immediate transmission upon change of digital input state</p> <p>Transmitted data:</p> <ul style="list-style-type: none"> - Input event counter: Total number of input events (transition from 0 to 1) detected (15 bits) - Input instantaneous state (1 bit: 1 = closed contact, 0 = open contact)
Frequency	2.4 GHz – BLE channels
Output power	Up to +4 dBm
Range	Up to 500 meters open field (+4 dBm)
Power supply	3 VDC – Internal lithium battery
Battery life	<ul style="list-style-type: none"> - Up to 20 years * - Battery voltage reading command using <i>Connected mode</i> - 15% remaining battery warning <p><i>*For more detailed battery lifetime specification please refer to autonomy spec sheet</i></p>
Operating temperature	-40°C to +85°C
Housing	<p>Ø 57mm base - Thickness 20mm - dimensions with cable gland: 64mm (without cable)</p> <p>IP68 Waterproof - Weight 50g</p> <p>Supplied cable length: 1m</p> <p>DELTRIN (POM C) material – Food Grade (90/128/EEC)</p>
Standards	<p>CE (Europe): EN 300 328/EN 300 330, EN 301 489, EN 62311, EN 62368</p> <p>FCC (USA): FCC PART 15</p> <p>ISED (Canada): RSS-247/ICES-003</p> <p>RoHS certified</p>
Accessories	<p>Double-sided direct fixation of the tag: PUCK STICKER (ACIOM188)</p> <p>Tag support: PUCK HOLDER STICKER (BOT0126)</p>