



Tags and badges

Blue PUCK ID Mesh

Ref. IDF25440



The simple solution for tracking and locating your equipment indoors!

- 👁️ 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 Waterproof**
- 👁️ Integrated **NFC** chip

TECHNICAL SPECIFICATIONS				
Power supply	3 VDC – Internal lithium battery			
Frequency	2.4 GHz – BLE channels / Mesh network			
Operating modes	Router mode - Fixed point: fixed mesh network installation; data uploaded wirelessly via network; Non-router mode - Mobile point: periodic transmission of identifier and location; Indicator light controllable via network			
Output power	Up to +4 dBm (adaptive/smart network)			
Range	Up to 140 meters free field (+4 dBm)			
Transmission period	Non-router mode - Mobile point: 15 secs. to 18 hrs. (configurable in seconds)			
Battery life	NON-ROUTER			ROUTER
	5 minutes	10 minutes	60 minutes	
	2.5 years	4 years	17.5 years	
	<small>* Battery lifetime calculations are based on real-world consumption measurements, manufacturer data on battery capacity, and taking 20% self-discharge (1% per year) into account.</small>			
Identifier	Unique, modifiable identifier (3 Bytes)			
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, address, and Wirepas network channel 👁️ Transmission period 👁️ BLE advertising frame: Transmission interval, name, and power Network configuration and diagnostics Wirepas Network Tool application			
Options	Blue PUCK BUZZ MESH: buzzer for triggering a sound alert when nearing the object to locate; Blue PUCK ID+: 3-axis accelerometer for longer battery life			
Operating temperature	-40°C to +85°C			
Battery level	Remaining battery level sent via network			
Casing	Ø 57 mm base - height 18 mm; IP 68 waterproof rating - weight 36 g DELRIN (POM C) - Compatible with food products (90/128/EEC) 2 mounting holes, Ø 4 mm, center distance 49 mm			
Standards <small>(*) Certification in progress</small>	EC (Europe)*: EN 300 328/ EN 301 489 & EN 55032 / EN 62368-1 FCC (USA)*: FCC 15.247/FCC PT 15B; ISED (Canada)*: RSS-247/ICES-003 RoHS			
Accessories	PUCK HOLDER STICKER (ACIOM92B), PUCK STICKER (ACIOM188)			