Blue PUCK BUZZ+ Mesh

Industrial MESH 2.4Ghz location non-router Tag

BENEFITS

- Simple deployment, maintenance, and expansion
- Smart battery management, very high autonomy : up to 20 years
- Pick to Light : high power integrated LED & Buzzer
- Smart & secure programming by NFC
- Over-the-air (OTA) firmware update via network

TECHNICAL SPECIFICATIONS

OPERATING MODE

Frequency	2.4 GHz – BLE channel / Mesh network
Output power **Range**	Up to +4 dBm (Smart network) Up to 140 meters open field (+4 dBm)
Transmission period	Setting of the 2 transmission periods (Moving state and static state), 15'' to 18H.
Radio frame format	Setting of the 3-byte identifier, WIREPAS Network Address and Channel. BLE Advertising Frame: Transmission Interval, Name and Power.* *Refer to the frames specification for more information.*
Settings and configuration	Interface/protocol : NFC (Type 2) Acceleration level for inertial event wake up (can be set: 32 mg to 8000 mg) Network Configuration and Diagnostics: Wirepas Network Tool software
Mobile beacon mode **Anchor beacon mode**	Periodic transmission of identifier and location data Fixed point: fixed mesh network installation; data uploaded via network
LED indicator and buzzer	Controllable via network
Sensor performance	Location accuracy: 5 to 10 meters Accelerometer: Detection of inertial events (extented battery life) Range: -8g to 8g, Configurable threshold Buzzer: controllable via the network 4KHz/77dB at 8 cm

BATTERY

Power supply	3 VDC - Internal lithium battery
Battery life	Up to 20 years Battery voltage level sent via network and on MQTT Topic* *Refer to the battery life curves for more information.*

CERTIFICATIONS

Europe	CE : EN 300 328/EN 300 330, EN 301 489, EN 62311, EN 62368
UK	UKCA
USA	FCC : FCC PART 15
Canada	ISED : RSS-247/ICES-003
RoHS	Yes

HOUSING

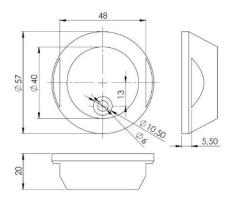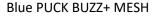|	
Dimensions	Ø 57mm base – Height : 20mm
Weight	41g
Materials	DELRIN (POM C) Compatible with food product (90/128/EEC)
Waterproof grade	IP65
Operating temperature	-40°C to +85°C

ACCESSORIES

Tag support	PUCK HOLDER STICKER (ACIOM 118B)
	PUCK HOLDER (ACIOM 117B)
	PUCK STICKER (ACIOM 188)
	3M PT1100 - Ø 53mm – Thickness: 1,1mm

MECHANICAL DRAWINGS

Blue PUCK BUZZ+ MESH

PUCK HOLDER

AVAILABLE REFERENCES

Ref	Description
IDF25454-01A	Blue Puck BUZZ + MESH STACK WP4 compatible & IP65
IDF25454-02A	Blue Puck BUZZ + MESH STACK WP4 compatible OPEN version
IDF25454-03A	Blue Puck BUZZ + MESH STACK WP5 compatible & IP65
IDF25454-04A	Blue Puck BUZZ + MESH STACK WP5 compatible OPEN version