BLUE ANCHOR
Industrial MESH 2.4GHz beacon

WIREPAS

BENEFITS

- Simple deployment, maintenance, and expansion
- Very High autonomy : up to 15 years
- Pick to Light : integrated high power LED
- IP68 waterproof grade
- 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 (configurable/ smart network) Up to 100 meters openfield (+4 dBm)
Transmission period	Transmission periods 15" to 18H.
Radio frame format	Setting of the 3-byte identifier, address and WIREPAS network 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 (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 wirelessly via network
LED indicator	Controllable via network

BATTERY

Power supply

3.6 VDC − Internal LS14500 lithium battery

Battery life

T°	Anchor	Mobile Beacon (position transmission period)		
		1 min	5 min	10 min
+20°C	15 years	3 years	12 years	20 years
+70 °C	11 years	2 years	9 years	15 years
-40°C	8.5 years	1.5 years	5 years	9 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

USA

FCC : FCC PART 15

Canada

RSS-247 / ICES-003

RoHS

Yes

HOUSING

Dimensions
Weight

119.2mm x 51.2mm x 24mm
122g

Materials
Waterproof grade
Operating temperature

DELRIN (POM C) Compatible with food product (90/128/EEC)
IP68
-40°C to +85°C

ACCESSORIES

Tag sticker

ANCHOR/LORA STICKER (ACIOM202)
3M PT1100 − 101.2 x 51.2mm − Thickness: 1,1mm

MECHANICAL DRAWINGS