



Tags and badges

Blue ANCHOR

Ref. IDF32450



Wireless mesh router with 20 years battery life, designed for harsh industrial environments!

- 👁️ Long-range wireless communication using **mesh network** topology
- 👁️ Wireless router with **extremely long battery life**
- 👁️ Simple deployment, maintenance, and expansion
- 👁️ Over-the-air (OTA) firmware update via network
- 👁️ **Pick to light** system with integrated LED
- 👁️ Robust industrial casing – **IP68 water protection rating**

TECHNICAL SPECIFICATIONS

Power supply	3.6 VDC – 2 internal LS14500 lithium batteries (replaceable)				
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 seconds to 18 hours (configurable in seconds)				
Battery life			NON-ROUTER		
	T°	ROUTER	1 minute	5 minutes	10 minutes
	+20°C	20 years	3 years	12 years	20 years
	+70°C	15 years	2 years	9 years	15 years
	-40°C	9 years	1.5 years	5 years	9 years
	* 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.				
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				
Operating temperature	-40°C to +85°C				
Battery level	Remaining battery level sent via network				
Casing	Dimensions: 119.2 mm x 51.2 mm x 24 mm; IP 68 water protection rating - weight 122 g DELTRIN (POM C) - Compatible with food products (90/128/EEC)* 2 mounting holes, Ø 4 mm, center distance 110 mm				
Standards (* Certification in progress)	EC (Europe)*: EN 300 328/ EN 301 489 & EN 55032 / EN 62368-1 RoHS				