Tags and badges

Blue WATCH ID + Mesh
Ref. IDP27451A

WIREPAS

Track and locate people with this watch-shaped tag!

- Long-range wireless communication using **mesh network** topology
- Simple deployment, maintenance, and scale up
- Over-the-air (OTA) firmware update via network
- **Pick to light** system: integrated LED
- BLE advertising frame function
- Robust industrial casing – **IP55**
- Integrated **NFC** chip

TECHNICAL SPECIFICATIONS	
Operating modes	**MOBILE Mode:** periodic transmission of identifier and location **Indicator light** controllable via network

Parameters and configuration	Interface/protocol NFC (Type 2)
	Configuration: Device Manager/ Mobile Manager application (Windows / Android)
	    • Activation / deactivation
	    • Configuration of identifier (3 Bytes), address, and Wirepas network channel
	    • Transmission period (15 seconds to 18 hours - configurable in seconds)
	    • BLE advertising frame: Transmission interval, name, and power
	    • Acceleration level for moving event wake up
	Network configuration and diagnostics with Wirepas Network Tool application

Sensor performances	**Localization precision:** 5 to 10 meters
	Accelerometer:
	    3-axis accelerometer for moving event detection (battery life extension)
	    Range: -8g to 8g
	    Wake up level: from 32 mg to 8000 mg

Frequency	2.4 GHz – BLE channels / Mesh network
Output power	Up to +4 dBm (adaptive/smart network)
Range	Up to 100 meters free field (+4 dBm)
Power supply	3 VDC – Internal lithium battery
Battery life	- Up to 6 years (Mobile Mode) * - Battery voltage level sent via network and on MQTT Topic *For more detailed battery lifetime specification please refer to autonomy spec sheet*
Operating temperature	-30°C to +70°C
Casing	45x38x13 mm IP 55 waterproof rating - weight 11 g Polyamide (Nylon) PA12
Standards (*) Certification in progress	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	WATCH **STICKER** (ACIOM205)