



BC2111 Tag

The BC2111 is a compact Ultra-Wideband (UWB) tag designed for personnel as part of our Indoor Grid UWB solution. The Tag fits on a lanyard and can include custom branding.

It has a battery life of approximately one year using a replaceable coin cell battery.



Benefits



BATTERY LIFE

- Replaceable coin cell battery
- 1 year at 10 Tx per second



COMPACT FORMAT

Designed for use with a lanyard



TOUGH

- Temp range -20°C to $+55^{\circ}\text{C}$
- Rugged IP67 Waterproof and Dustproof



ULTRA WIDE-BAND

- Centimeter-level accuracy
- 7.2 Ghz centre frequency



BRANDING OPTIONS

Tags can be printed with custom labels or numbering

For What

- Employees
- Contractors
- Sub-contractors
- Visitors

For Who

- Wherever accurate personnel tracking adds value
- Construction, Oil, Gas, and Mining
- Healthcare and Education
- Corporate buildings
- Manufacturing and Warehousing

Works Great With

- Hardware - BlueCats Indoor Grid UWB solution
- Software - Loop Local



Specifications

GENERAL

Form factor Vertical lanyard tag

MECHANICAL

Dimensions 76 mm (H) × 37 mm (W) × 7.4mm (D)

Weight 13.7 g

Enclosure Material Construction polycarbonate/
ABS plastic alloy

POWER

Battery Size CR2430 Lithium coin cell

Battery Capacity 320 mAh

Battery life 1 year at 10 TX per second

ENVIRONMENTAL

Operating Temperature -20°C to +55°C

Ingress Protection IP65

UWB

Chipset Proprietary

Frequency 6.7 GHz to 7.7 GHz

Antenna Integrated counterpoise antenna

Transmit Power -51.7 dBm

Blink Rates 1 Hz to 30 Hz

Protocols TDOA

CERTIFICATIONS

FCC Yes

IC No

CE Yes

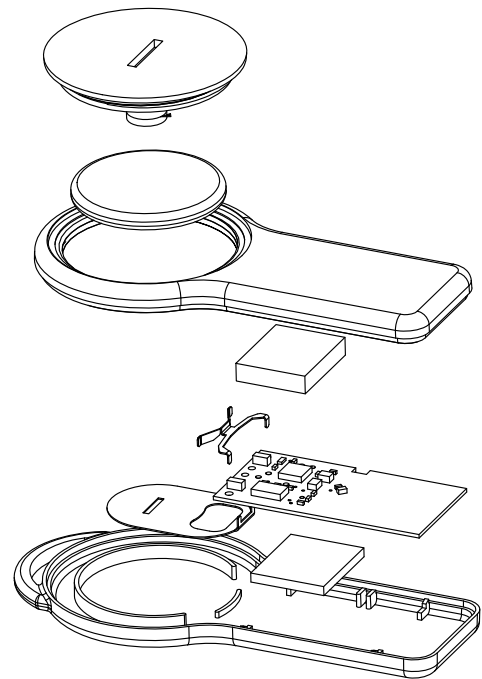
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VARIANTS

BC2111.01.W.08 8Hz, white color

BC2111.01.W.15 15Hz, white color

Dimension Drawings



COMPATABILITY

BC4 100 series UWB Reader

Tracking via BlueCats Loop Local and Loop Cloud platforms

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