

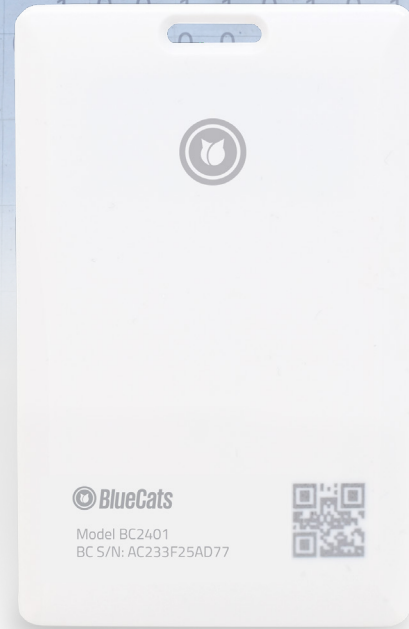


BC2401 Tag

The BC2401 Tag is an ultra-slim, Bluetooth Low Energy tag that can be worn as an ID badge for personnel or mounted via adhesive or zip-ties to assets. Accelerometer logic allows automated low-power mode when stationary, which can increase battery life to over three years.

Perfect for indoor personnel tracking, the BC2401 is also capable of integration with Access Control Systems (ACS) as well as expanded location visibility beyond the fixed swipe points.

The press button can be programmed for one-time activation and emergency duress situations.



Benefits



SLIM FORMAT

- Wearable
- Lanyard, belt, or pocket



TOUGH

- Temp range -20°C to +60°C
- Rugged IP67 Water resistant and Dustproof



DEVICE MANAGEMENT

- Over-the-air updates (firmware)
- Device diagnostics (performance, battery status, and more)



ADAPTIVE TRACKING

- Configurable blink rate
- Accelerometer triggers low blink rate when static



BROADCAST RANGE:

- Up to 200 meters



BATTERY LIFE

- Non-replaceable Lithium pouch
- 3 years at 1 Tx per second

For What

- Personnel: employees, contractors, guests
- Tools
- Equipment
- Machinery
- Materials
- Assets

For Who

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

Works Great With

- Hardware - BlueCats ProxPoint / TapPoint / FlowPoint / Grid Tracking
- Software - BlueCats Loop Cloud & Loop Local
- Mobile - Bluetooth LE-enabled iOS and Android devices



Specifications

GENERAL

Form factor Badge

MECHANICAL

Dimensions 86 mm (H) x 54 mm (W) x 4 mm (D)

Weight 18 g

Mounting Types Lanyard , Straps, Cable ties, Double-sided tape, Glue, Epoxy

Enclosure Material ABS plastic

POWER

Battery Size Lithium pouch

Battery Capacity 800 mAh

Battery life 3 years at 1 Tx per second

SENSORS

Temperature Internal nRF528XX sensor

Accelerometer 3-axis linear accelerometer (optional)

Button Push

LED Red, Green, Blue

ENVIRONMENTAL

Operating Temperature -20°C to +60°C

Ingress Protection IP66

BLE

Version 5

Frequency 2.402 GHz to 2.480 GHz

Module nRF52832

Tx Interval configurable, from 20 ms to 10 seconds

Tx Power configurable, up to +4 dBm

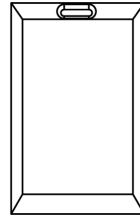
Range up to 200m with BlueCats ProxPoint

Antenna PCB

Protocols Eddystone, iBeacon

OTA Updates Yes,with BC Reveal app

Dimension Drawings



CERTIFICATIONS

FCC Yes

IC Yes

CE Yes

RCM Yes

VARIANTS

BC2401.01 Temperature

BC2401.02 Temperature, Accelerometer

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