

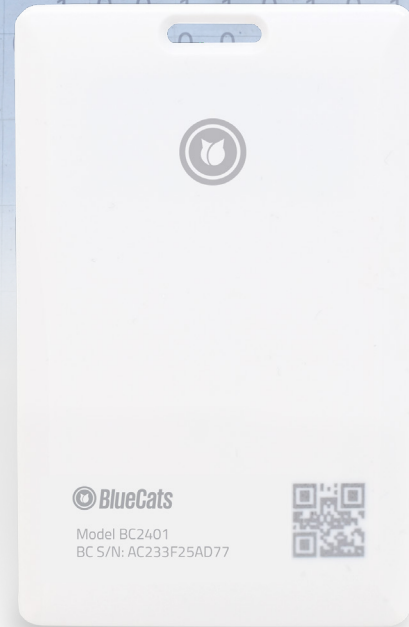


# BC2401 Tag

The BC2401 Tag is an ultra-slim, Bluetooth Low Energy tag that can be worn as an ID badge for personnel. 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

- Employees
- Contractors
- Guests

## 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, ID badge clips, Double-sided tape

**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

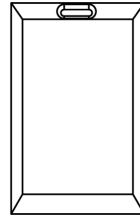
**Range** up to 200m with BlueCats ProxPoint

**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