

# **Alert Tag**

**Model: D78**

**Datasheet V1.0**

Part #	Description
D78-6001A	

The Alert Tag D78 is a custom developed beacon with dual push buttons based on a Bluetooth® 4.2 hardware platform. Used primarily in alert system applications.

## FEATURE

- Replaceable coin battery 1000mAh
- Bluetooth® 4.2/5.0 chipset nRF52 series
- Dual external activation buttons
- Accelerometer sensor
- Audible alarm tone
- Communication only via BLE



Alert Tag D78

## APPLICATION

- Indoor location when AirFinder network is present
- Audible and system alert activation

## ACCESSORY

- None

## ACTIVATE D78

- D78 will send heartbeat messages to the nearest BLE Access Point
- To test the D78 for sufficient battery power, press and hold one button only for 2 seconds; LED will show solid
- To activate the D78 alert, user must press and hold buttons for 2 seconds
- LED will begin blinking (approximately once per second), alarm will sound, and tag will scan for compatible BLE beacon signals to determine location
- Tag will connect to nearest BLE Access Point and transmit alert message to Access Point, which will forward to cloud
- Audible alarm may be silenced by pressing and holding both buttons for 5 seconds
- Tag will continue to scan and report locations to cloud until Alert state is cancelled remotely, even if audible alarm is deactivated.

## ELECTRONIC PARAMETER

Item	Value	Remarks
Case Color	Black	Other colors can be customized
Battery Model	1 x CR2477	3.0V, 1000mAh
Operation Voltage	1.8-3.9V	DC
Transmission Current	5.3mA (peak current)	Tested at 0dBm transmission power
Transmission Range	100 meters	Maximum
Waterproof level	IP52	
Antenna	50ohm	On board / PCB Antenna
Size	45 x 70 x 16mm	

## WARNING

D78 Alert Tags contain electronic elements and batteries, which should be properly disposed of. Please contact manufacturer, to verify safety of use, before utilizing Alert Tags.

Replacing the original battery with a different battery type or manufacturer's part number may cause a risk of explosion.

**IC Caution:**

- English:

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

- French:

Le présent appareil est conforme aux CNR d' Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l' utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator your body: Use only the supplied antenna.