

## DATA SHEET

# ARUBA TAGS

## BLE-powered Asset Tracking

Aruba Tags are a key component of the Aruba Location Services portfolio and asset tracking solution. When used with the Aruba Meridian platform, Aruba Tags enable businesses to track valuable physical assets in their indoor and outdoor locations.

Based on Bluetooth Low Energy (BLE) technology (Bluetooth 4.0), Aruba Tags provide location data for each tagged asset within the range of BLE-enabled access points. By leveraging an organization's Wi-Fi network, Aruba Tags do not require a dedicated network of readers or observers.

Their design and size make them attractive in healthcare, retail, warehousing, and other industries.

### DESIGN CHARACTERISTICS

Aruba Tags are small, low power wireless transmitters that broadcast 2.4GHz radio signals at regular intervals. These signals are heard by BLE-enabled access points, which act as observers and provide the sensory network. Tracking information is then sent to the Meridian cloud-based platform where location mapping allows for each asset to be viewed in its true location.

The form factor of Aruba Tags makes them easy to attach to valued assets – either with optional Aruba Tag carriers or without. A 3-4 year battery that is sealed and enclosed ensures that no maintenance is required.

### SOFTWARE FEATURES

The Aruba Tags Configuration App allows items to be easily tagged, regardless of where they sit. The iOS based app allows for staff to associate photos, descriptions and labels to each asset to populate the asset tracking database. Tags can also be moved between assets and re-labeled without bringing them to a central location.



### KEY FEATURES

- Uses prevalent BLE asset tracking technology
- A modern Wi-Fi installation provides necessary coverage
- BLE-enabled Aruba AP's only require a firmware upgrade to support asset tracking
- Solution is scalable to thousands of assets
- 3-4 year maintenance free battery
- True location on map, not just general proximity
- Tags are designed to endure stringent requirements, including medical use
- Multiple attachment options support a variety of use cases and asset types

A complete SDK makes it simple for users to locate assets with easy-to-use mobile apps that run on iOS and Android devices. There's no need for additional dedicated mobile devices. The use of the Meridian AppMaker solution provides a low-cost tracking app for those who do not have an existing app or asset management solution.

Optional wayfinding capabilities can also be used to provide staff members with turn-by-turn directions to the asset being looked for.

### AVAILABLE ARUBA WIRELESS PRODUCTS FOR ASSET TRACKING

Aruba Products	Integrated BLE Radio	Support with Aruba USB Beacon
203R, 207 APs	✓	
210, 220, 203H APs		✓
300, 310, 320, 330, 303H APs	✓	
365, 367 (Outdoor APs)	✓	

#### POWER

- One non-replaceable coin cell battery
- Estimated power consumption (mA-h): 45.42
- Estimated battery life (in months): 36-48

#### RANGE

- Maximum signal range depends on the physical environment.
- Aruba Tags operate on the same type of radio waves as 2.4GHz Wi-Fi routers. As a result, the signal can be diffracted, interfered or absorbed by materials in the space such as metal, wood or water.

#### MOUNTING

- Included: High-strength indoor/outdoor 3M adhesive for direct mounting
- Optional: IP67 rated outdoor case (65 mm x 65 mm x 40 mm)
- Optional: Snap-on mounting bracket
- Optional: Zip-strap mount



Figure 1: Zip-strap Mount



Figure 2: Snap-on Mount



Figure 3: IP67 Rated Outdoor Case

### MECHANICAL

- 34mm x 11mm
- Weight 10g (0.35oz)

### ENVIRONMENTAL

- Operating temperature: 0° C to 50° C
- Humidity 5%RH to 93%RH non-condensing
- Storage and Transport: -10° C to 60° C

### REGULATORY

- FCC/Industry of Canada
- CE Marked
- R&TTE Directive 1995/5/EC
- Low Voltage Directive 72/23/EEC
- For country specific regulatory information and approvals, please see your Aruba representative.

### REGULATORY MODEL NUMBER

- ARBT0201

### ORDERING INFORMATION

Part Number	Description
JX987A	Aruba AT-BT10-50 BLE 50pk Asset Trk Bcn
JW144A	Aruba LS-BT1-NEMA Outdoor Mounting Bracket
JZ113A	Aruba Meridian AT-BT10 Snap Mount, 25-pack
JZ114A	Aruba Meridian AT-BT10 Zip-Strap Mount, 25-pack