HPE Aruba Networking tags

BLE-powered asset tracking

Key features

- Uses prevalent BLE asset tracking technology

- A modern Wi-Fi installation provides necessary coverage

- BLE-enabled HPE Aruba Networking APs 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

HPE Aruba Networking Tags are a key component of the HPE Aruba Networking Location Services portfolio and asset tracking solution. When used with the HPE Aruba Networking (Legacy) Indoor Location Services—EOSL platform, Tags enable businesses to track valuable physical assets in their indoor and outdoor locations.

Based on Bluetooth Low Energy (BLE) technology (Bluetooth 5.0), Tags provide location data for each tagged asset within the range of BLE-enabled access points. By leveraging an organization's Wi-Fi network, 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

HPE Aruba Networking 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 HPE Aruba Networking (Legacy) Indoor Location Services—EOSL platform where location mapping allows for each asset to be viewed in its true location.

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

Software features

The HPE Aruba Networking 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.

Zip-strap mount

Snap-on mount

IP67 rated outdoor case

Supported APs

- HPE Aruba Networking tags work with 3xx, 5xx and 6xx series Wi-Fi APs using the integrated BLE radio

- 203R and 203H provide connectivity via BLE and USB Beacon respectively

- For a full list of indoor, outdoor, ruggedized, and remote APs, refer to the website

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.

- HPE Aruba Networking 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 (65mm x 65mm x 40mm)

- Optional: Snap-on mounting bracket

- Optional: Zip-strap mount

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 HPE Aruba Networking representative.

Regulatory model number

- ARBT0201

Ordering information

Part number	Description
JX987A	HPE Aruba Networking AT-BT10-50 BLE 50pk Asset Trk Bcn
JW144A	HPE Aruba Networking LS-BT1-NEMA Outdoor Mounting Bracket
JZ113A	HPE Aruba Networking (Legacy) Indoor Location Services—EOSL AT-BT10 Snap Mount, 25-pack
JZ114A	HPE Aruba Networking (Legacy) Indoor Location Services—EOSL AT-BT10 Zip-Strap Mount, 25-pack

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