

SOLUTION OVERVIEW

ARUBA ASSET TRACKING

RTLS for improved productivity and cost containment

Using Real-time Locating Systems (RTLS) to locate assets and improve efficiency can be a financial and compliance lifesaver for today's customer-focused organizations. Electronically tracking assets allows organizations like hospitals and large retailers to better manage what they have, streamline staff efficiencies, and reduce loss, which in turn improves customer satisfaction and bottom line savings.

Consider a healthcare scenario. Studies suggest that nurses can spend up to 40 hours per month searching for lost equipment. This is time directly taken away from patient care, which decreases the nurse's overall productivity and reduces overall patient satisfaction.

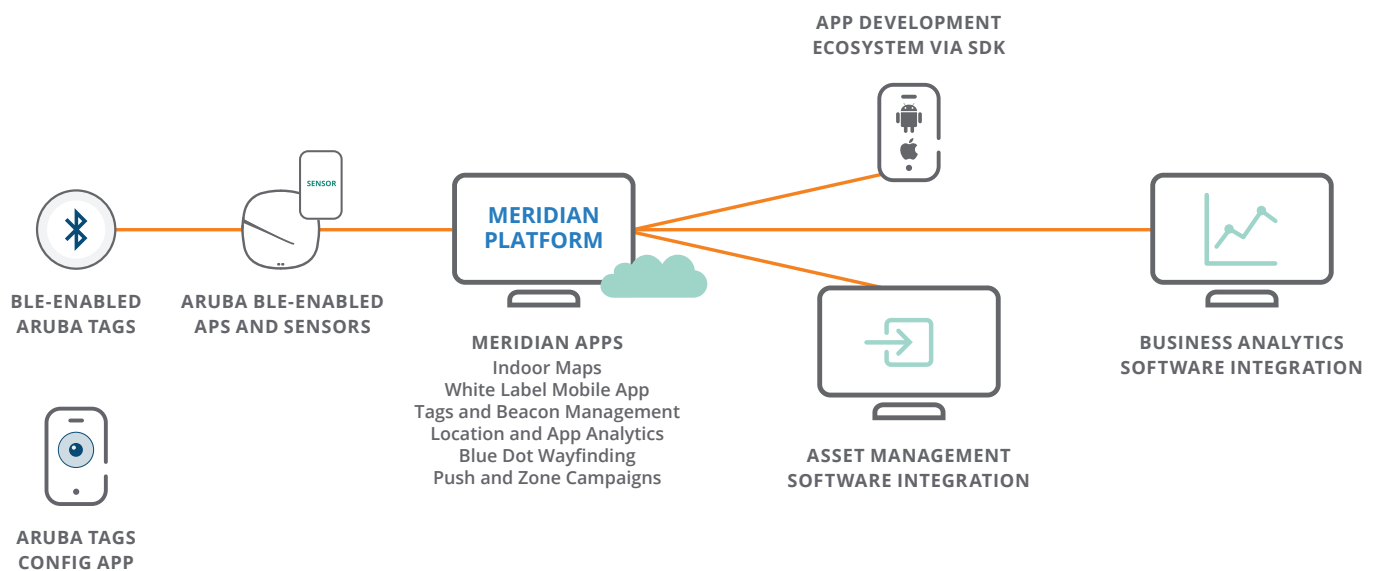
Aruba's Asset Tracking solution uses Aruba Meridian software and pairs Bluetooth Low Energy (BLE)-enabled Aruba Tags with BLE-enabled wireless access points (APs). The APs act as observers to provide the sensory network that completes the solution. This combination allows customers to easily locate assets and goods, while getting more value from their existing wireless network.

BENEFITS

- Improves asset utilization, resulting in improved capital expenditure and management of idle assets.
- Increases staff efficiency by automating inventory management and search processes.
- Streamlines operational decision making, leading to improved workflows and customer satisfaction.
- Reduces total cost of ownership (TCO) by leveraging a customer's existing Aruba WLAN.
- Provides easy-to-use visual map views so that assets can be easily located.
- Mobile support so staff can find items while on the go - average latency is under 2 minutes.
- Open architecture and available APIs and SDK allow for integration with existing solutions.

THE ARUBA ADVANTAGE

For effective real-time tracking, "best guess" methods won't work. Aruba's Asset Tracking solution provides location accuracy to approximately 3m/10ft that pinpoints the items being tracked within a defined area. The Aruba solution is also scalable as it uses BLE-enabled APs and low-cost BLE-based Aruba Tags—which means you can easily add more tags as your needs expand.



Aruba Asset Tracking - an end-to-end solution

The solution is optimized for healthcare and retail deployments where the characteristics of the Aruba solution are the perfect fit for anyone looking to tag high value physical assets, like wheelchairs, IV pumps, beds, pallets of goods, or even a pallet jack. Easy-to-use mobile apps run on most iOS and Android devices to ensure that everyone on staff is comfortable searching for one item or a group of items.

ASSET TRACKING HAS NEVER BEEN EASIER

Here's what you need to get started:

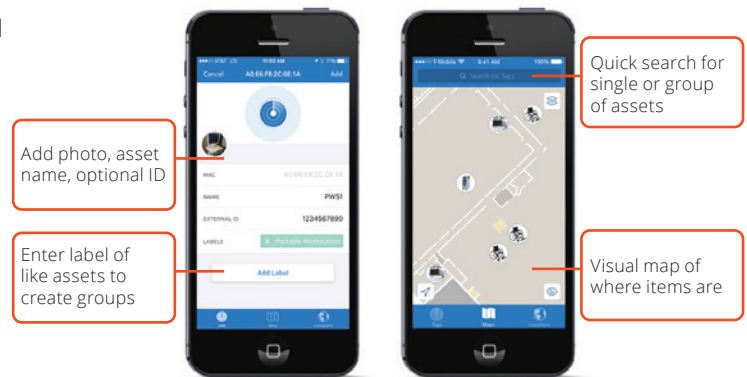
- Aruba Tags and Configuration App – BLE-based asset tags provide a cost-effective price point that lets you tag from 50 to tens of thousands of items. A long battery life and sealed enclosure make them usable in a variety of environments.
- Aruba BLE-enabled APs – Your existing Aruba WLAN, can serve as the sensory network required to support asset tracking. BLE radios in Aruba's indoor and outdoor APs deployed every 15m/50 ft ensure that your entire floorplan is covered.
- Meridian Software Support – Flexible APIs and SDK provide the integration needed to send asset tracking data to a management or analytics solution of your choice (mobile app or web). Optional Meridian AppMaker software lets you build a mobile app of your own.
- Partner Ecosystem – Our network of app development partners can help you build or integrate asset tracking into your existing app. And, if the goal is to add asset tracking into an existing asset management or analytics solution, we're working with the industry's best.

HOW THE ARUBA SOLUTION WORKS

Once Aruba Tags are attached to devices or objects; the network takes over. The tags periodically report their location over the wireless network. The BLE radios in the three nearest APs then pick up the signal of nearby tags. The data is then used by the Aruba Meridian platform to update the map being viewed on a mobile or web-based asset tracking app.

Aruba Tags Configuration App

Staff Mobile App View



The data can also be used as an inventory list, for PAR-level management and to indicate the status of an item (e.g., available, being cleaned, etc.). The Aruba Tags are easily moved from one asset to another and relabeled using the Aruba Asset Tracking Configuration app.

NOW'S THE TIME TO GET STARTED

As technology has evolved, so have the breadth of solutions when it comes to asset tracking. While the Aruba Tags are BLE-based, our wireless infrastructure supports a large variety of other RTLS solutions, too. The choice to move forward with Aruba means that in phase one, you can select basic asset tracking, leverage your existing wireless infrastructure, and then support third-party tags and infrastructure, as needed.

FOR MORE INFORMATION

Please visit arubanetworks.com/asset-tracking.