awarepoint®
Location as a Service

Enterprise-Wide and High Accuracy Positioning

The Awarepoint BLE Intelligent Beacons work seamlessly with an organization's Wi-Fi network, offering a cost-effective means for increasing location accuracy, minimizing latency, and extending the reach of the Wi-Fi network. This uniquely flexible infrastructure supports a broad range of use cases with mobile devices and tags in both indoor and outdoor applications.

Key Differentiators:

- Enterprise-wide indoor/outdoor positioning

- Precise boundaries for room, sub-room or zones with entry/exit awareness

- Track asset, patient, staff, sterilizable and environmental tags

- Exit/perimeter detection and alerting

- Staff locating - staff carrying smartphones and tablets do not need to wear tags

- Minimum physical maintenance with firmware and configuration updates sent over the air

- Central management system monitors operation and sends alerts if a beacon's battery is low or the device is malfunctioning

- Battery powered - non-disruptive, rapid installation

Accuracy Options To Match Your Needs

Enterprise Beacons locate within 1 to 3 meters and provide mobile wayfinding, asset management, and other location services, at a minimum cost, throughout large facilities. High Accuracy Beacons provide greater precision, tracking the location of a tag or mobile device as it enters or exits a room. The combination of Enterprise and High Accuracy Beacons provides the flexibility to support a variety of location use cases with a single platform.

BLE INTELLIGENT BEACON

Radios	802.11 g/n and Bluetooth Low Energy
Wi-Fi	802.11 g/n, 2.4 GHz, Enterprise Security, EAP/PEAP, WPA2, Cisco CCX (pending) Access point: Multicast routing of unsolicited messages, configurable routing of multicast messages over the Ethernet backbone Router/Switch: Multicast routing, group address assignments and multicast forwarding, IGMPv2 message protocols for multicast group join/leave The facility must be capable of providing Wi-Fi cert files for loading which may include SSIDs, login name and password, and full security questions
Power	Battery operated (3 AA batteries) 5 year battery life at normal operating modes
Operating	-20° to 40° C (-4° to 104° F)
Physical	4.1" x 2.9" x 1.2" (10.4 x 7.4 x 3 cm) 5.7 ounces (160 grams)
Material	Polycarbonate housing
Mounting	Ceiling mount with t-bar bracket or drywall screws Wall mount with VHB tape or drywall screws Pole mount with metal tie-wrap or bracket
Regulatory	FCC, Industry Canada and RoHS compliant