Tactile Asset Management

tactile

rugged solutions —

THE COMPANY



Head Office and service center in Stockholm



Focused on rugged IPC products and IT Solutions



Head Office and service center in Stockholm



Close cooperation with leading partners In Taiwan and the United States.



Own production, assembly and configuration locally in Sweden.

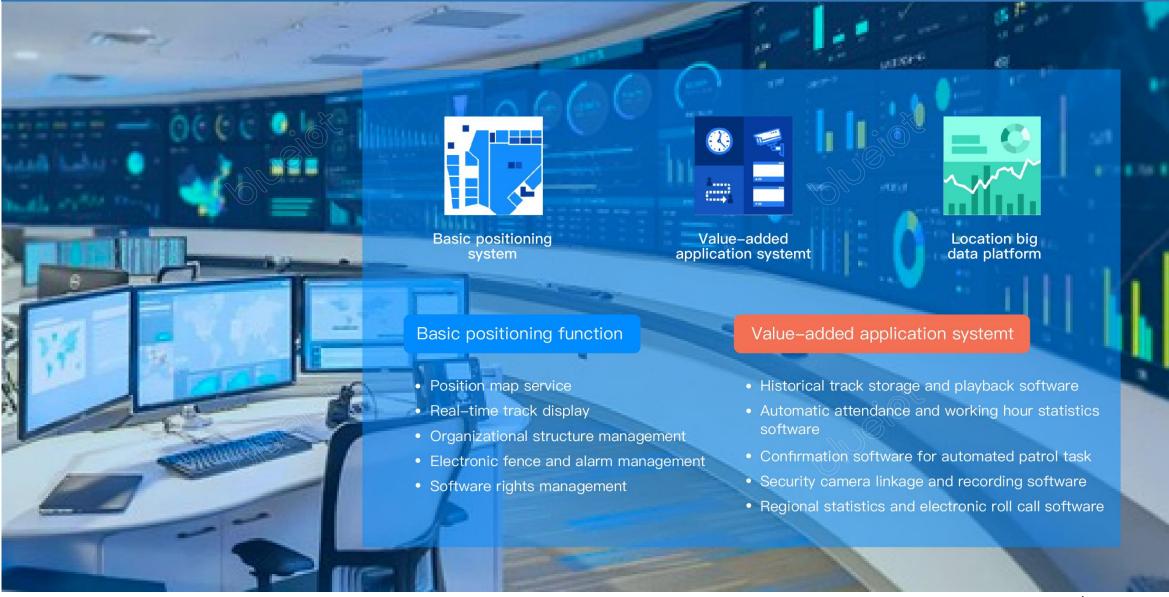


Serivce / repair and support is performed in Sweden.





Positioning System Introduction





Technology Overview



Typical accuracy: 0.1 ~ 0.5m

• Locating with one anchor and

two angles

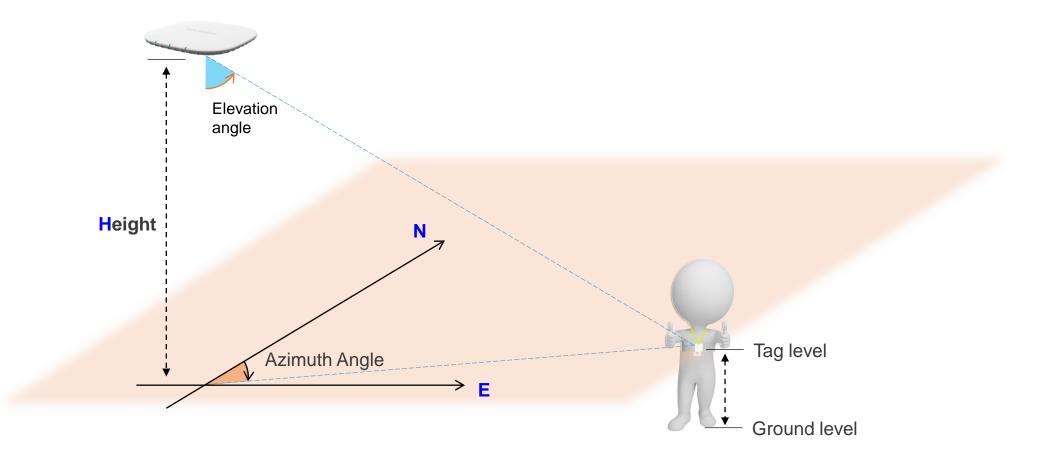
- Accuracy level down to 10cm
- Supports Bluetooth 5.1
- Compatible with BLE 4.0 tags or

above

• Compatible with mobile phones

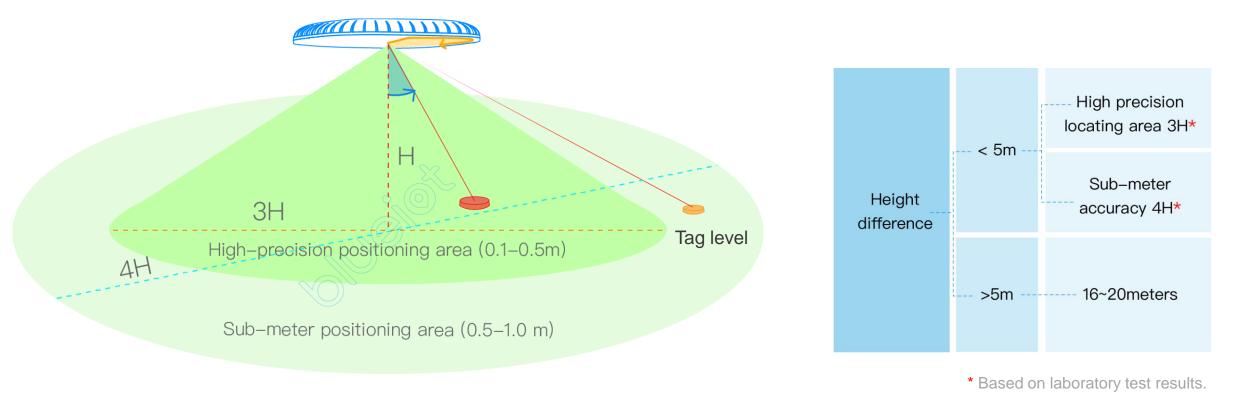


How does Bluetooth AoA work?





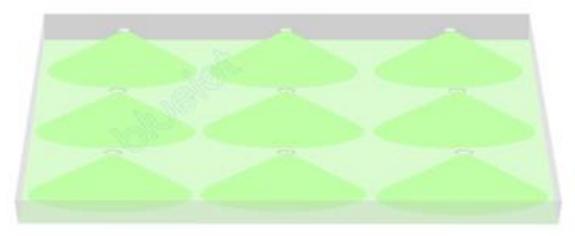
How does Bluetooth AoA work?



Locating with one single locator

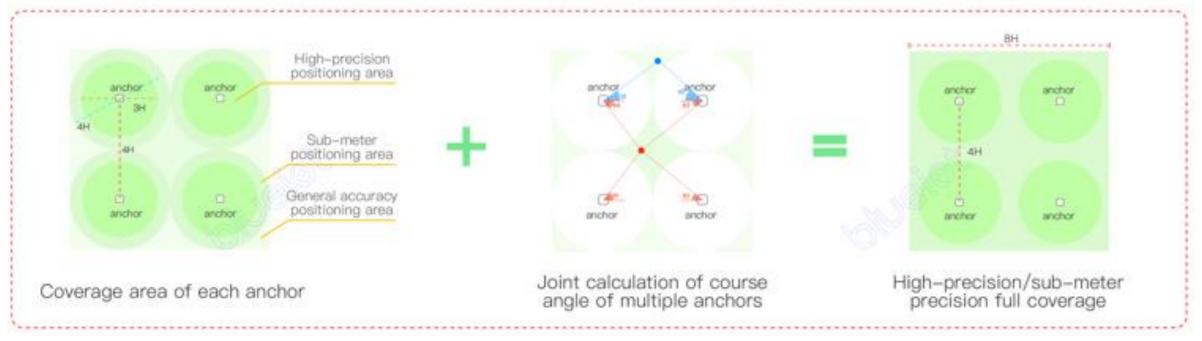


How does Bluetooth AoA work?



Multi-anchor and large area positioning

Strapdown combination of multiple anchors to obtain larger positioning coverage space Multiple anchor course angel calculations improve the global spatial accuracy level



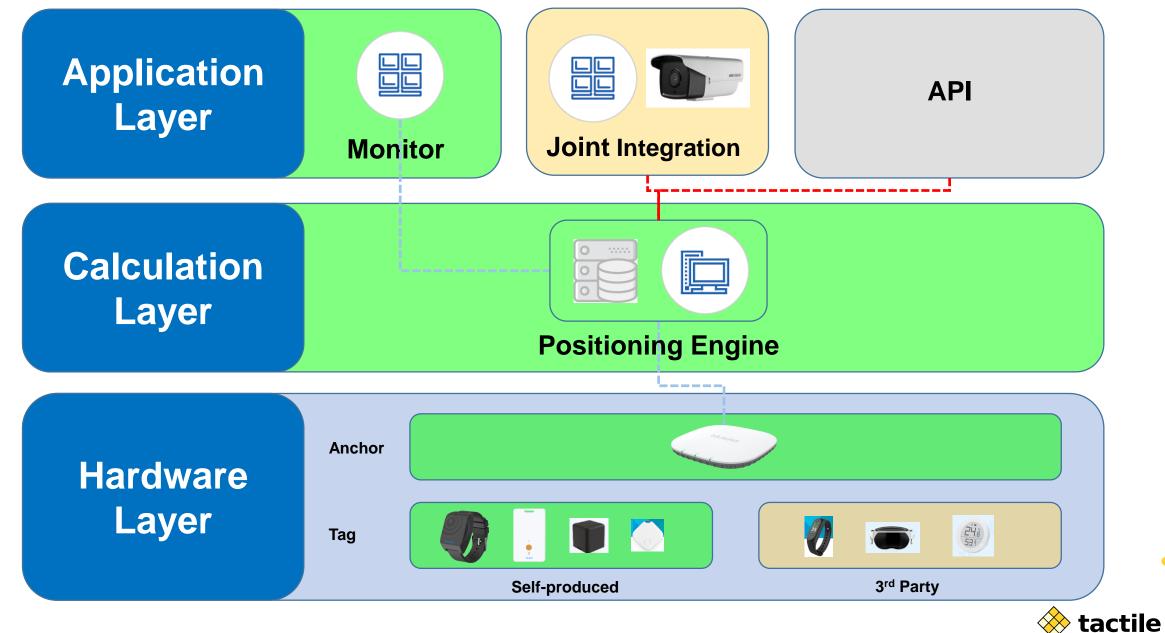


How are AoA anchors deployed?



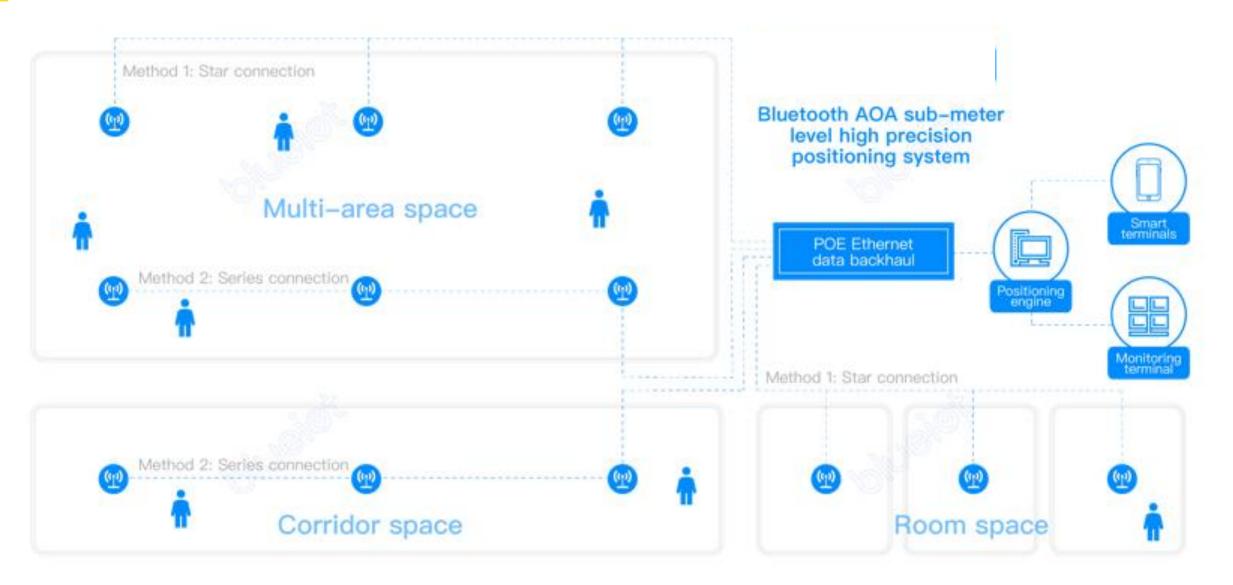


Solution



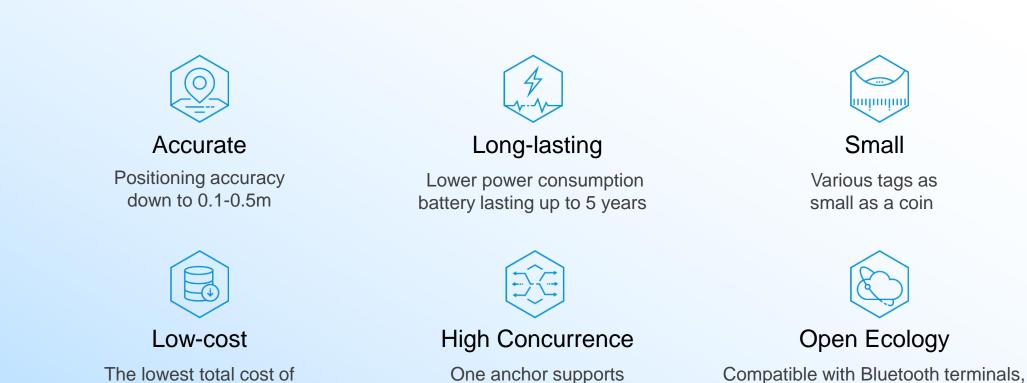
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Advantages of Bluetooth AOA



500 tags (1Hz)

ownership in the industry

accurate LBS for smartphone



Products

Locating tag @ @

BT1000-w (Tb1100-w) Wristband | Bluetooth Location Tag



54.5mm

ВТ1000-р ВТ1000-е

Children watch

bracelet

Battery type : Rechargeable LI Working hours : charge every 4 ~ 6 months Working temperature : -20 ~ 70°C Waterproof rating : IP65 Size : 54.5 * 40 * 16.5mm

BT2000-z

Patch

Buzzer
Button alarm
Swiping RFID

BT2000-z

Assets

BT1000-g (Tb1100-g) Badge | Bluetooth Location Tag



Battery type : Rechargeable LI Working hours : charge every 4 ~ 6 months Working temperature : -20 ~ 70°C Working humidity : 10% ~ 90% no condensation Size : 85 * 54 * 6mm

Buzzer
Button alarm
Swiping RFID

Locating anchor @@

BA3000-p (outdoor)

Data interface : Standard Ethernet Power interface : POE Working temperature : -40 ~ 80°C size : 330mm*330mm*53mm Ingress Protection: IP67



BA3000-t (indoor)

Data interface : Standard Ethernet Power interface : POE Working temperature : -20 ~ 70°C size : 230mm*230mm*35mm Ingress Protection: IP43





BTS1000-w BT4500-b fitness watch Anti-dismantle

Products

Tags with open ecosystem

One line of code, access any Bluetooth terminal (BT4.0+) Empower mobile phones, PDAs, watches, bracelets, with sub-meter precision positioning capabilities

Fitness wristband BE101-zw

tracks heart rate displayed on color screen, 20 days' standby time



Patch tag BE201-zb

Light & Compact, Replaceable button battery



Temperature and humidity tag BE301-cg

Sensors with industrial-level precision, data can be uploaded



MR Glasses tag BE401-xr

HD display of Mix Reality 3D, gestures and voice interaction





Application Scenario

Transportation

Effectively release the value of the location data of the "last mile" of the transportation hub, improve the intel-ligent traffic management and per-sonalized service

Retail

2200001

Shopping cart and goods positioning management, consumer navigation and shopping guide, empowers supermarket big data analysis and refined management

Hospital/Healthcare

Location-based internal management and business processes bring more reliable services and smarter human-to-human interaction

Exhibition

Using mobile phone navigation, low-cost Bluetooth tags position venue precisely, building a new model of exhibition location data value



Application Scenario

Judical

Realize accurate positioning of personnel in prisons, detention centers, and investigators center, with high accuracy, large capacity, and no false alarms

Industry

ER

With sub-meter precision, positioning management of personnel and equipment in smart factories helps achieve high-efficiency and automated lean production

Logistics

Low-cost, high-precision positioning, seamless access of various location information to ERP\WMS\PMS, much improving efficiency

5G+

5G+Bluetooth AOA enhances 2B/2C scene location coverage, one net– work for dual purpose, to achieve communication and positioning

