

[VOWIFI PORTFOLIO]

Function: Standards-Based Location System

Advanced wireless applications that utilize 802.11 WLAN network, RFID tags and middleware to provide specific location information for objects or personnel

Accurate location capability

Near real-time feedback



ASCOM i62 HANDSET LOCATION WITH EKAHAU RTLS

Ekahau technology together with the Ascom VoWiFi i62 handset form a reliable location solution. Industrial, Corrections and Healthcare facilities that use the Ascom i62 handset will benefit from this new feature without having to invest in infrastructure upgrades such as additional readers or antennas.

A Location Solution For Enhanced Personal Safety

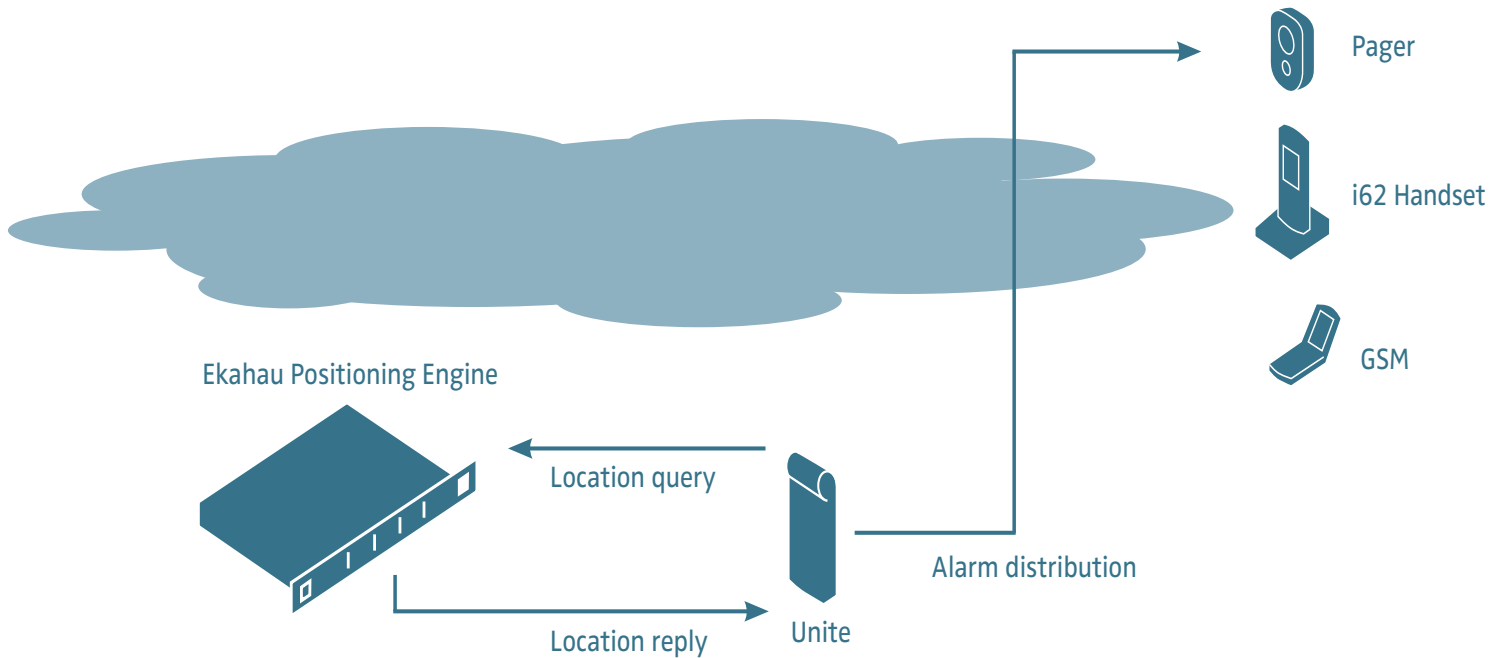
The Ascom and Ekahau secure tracking solution offers the ability to locate objects or people over any generation of WiFi networks. The solution is designed to provide location-based services as well as personnel security with the option to send push-button alarms. The position of the person carrying the handset can be estimated with pinpoint accuracy, ensuring rapid response in emergency situations.

Sending an alarm is only part of the solution. The alarm and location of the emergency situation must also be rapidly forwarded to available responders. The Ascom VoWiFi System handles initiation and transmission of all alarms, forwarding of alarms to user groups and generation of escalation chains. Alarms may also be forwarded to external systems such as GSM, sirens or flashlights. Alarm information includes:

- The identity (usually the call number) or username of the device.
- Type of alarm (Push-button)
- The time for the alarm
- Location info e.g. building A, room 12

For More Information

To learn more about how a custom Ascom solution can improve your enterprise, contact us at 877-71ASC0M or visit www.asc0m.us.



Benefits

- Quickly locate key personnel
- Reduce lost time searching for assets
- Ensure that valued assets stay in facility
- Eliminate hoarding of assets
- Improve inventory management

Improved Accuracy With Ekahau RTLS

This solution involves the Ekahau Positioning Engine that uses the WLAN network topology to calculate the location of mobile devices and enable real-time tracking. At configurable intervals, Ascom i62 handsets scan the area for access points. All access point identities and measured radio field strength (RSSI) are collected and reported to the positioning engine according to Ekahau location protocol. The Ekahau Positioning Engine calculates the location of handsets by using the RSSI measurements to triangulate or fingerprint mobile devices within the WLAN environment as soon as the access point report is received. Location update speed is dependant upon handset scanning interval configuration.