

Appear AssetTrackingIQ

Wi-Fi-Based Asset Tracking Application for Enterprise Asset Visibility



Business Benefits

Focus on running your business rather than searching for equipment and personnel

Increase the availability and utilization of mission critical equipment and systems

Realize rapid ROI by utilizing existing or planned Wi-Fi infrastructure

Decrease annual equipment leasing or purchasing

Avoid high-value asset loss through proactive asset tracking

Utilize Notification alerts to increase control over critical resources and prevent loss and theft

Optimize workflow by matching users with the most appropriate equipment

Integrate asset location information with work-flow, scheduling and maintenance systems

Appear AssetTrackingIQ

Assets worth millions of dollars are constantly on the move in most large businesses and institutions, and tracking them is often a major challenge. From critical equipment to key personnel, quickly locating and effectively deploying or servicing important assets and resources is critical to success in organizations worldwide. The inability to control and manage assets can result in significant costs, lost time and, above all, compromised business performance. Appear AssetTrackingIQ is a Wi-Fi-based asset tracking solution specifically designed to provide Enterprise Asset Visibility – the ability to locate valuable equipment and personnel and deploy them where they are needed, when they are needed.



Appear AssetTrackingIQ works over any 802.11 wireless network and, unlike alternative single-use proprietary tracking systems, AssetTrackingIQ requires no additional network hardware or wireless infrastructure overlay. The AssetTrackingIQ software allows enterprises to take advantage of their existing Wi-Fi infrastructure that – in many cases – is already deployed for other value add services such as voice over IP, remote data access and other applications. Additionally, AssetTrackingIQ's distributed location architecture enables the tracking of thousands of assets with minimal network bandwidth overhead.

Application Technology Overview

Appear AssetTrackingIQ consists of two key components: The AssetTrackingIQ software, which manages system configuration, asset visibility, monitoring and reporting, and the PanGo Active RFID Tag, a small device that operates over wireless LANs.

AssetTrackingIQ is web-based software that provides the locationing intelligence that allows the system to accurately locate valuable assets throughout a Wi-Fi enabled building or campus environment in real-time. Locator also provides the tools to create and manage intelligent spaces for asset monitoring, reporting and notifications. PanGo Active RFID Tags are small, lightweight, power-efficient wireless devices that affixes to assets for real-time tracking.

AppearIQ Specification Highlights

Appear AssetTrackingIQ - Features and Functions

Asset Monitoring

- Blended map and table view of assets and asset-related information
- Detailed map views via floor-level and/or zone-level tabs
- Sophisticated filtering based on asset class, location, and other criteria
- Asset iconography and group representation for assets in the same location
- Access detailed asset data by selecting item on map
- Advanced search capability based on asset class, location and other criteria

Event-Based Notifications

- Rules-based web application delivers context-sensitive and status alerts based on:
 - Count based rules - minimum/maximum threshold
 - Day-of-week - day/time based parameters
 - Device warnings - low battery, shut down
 - Device location - entering/exiting a defined physical or hierarchical space
 - Device location duration - notify if condition persists beyond a permitted time interval

Reporting

- Records and stores all asset activity and alerts for reporting and analysis
- Detailed asset reporting:
 - Standard and user-defined
 - Customizable reporting criteria: asset class, type, location, etc.
 - Report on current or historical state of assets, including location, motion, low battery and other alerts
- Reports are archived for easy re-use

Configuration and Management

- Web-Application Single Sign-on, role based application access, and User Management UI
- Define and manage intelligent spaces - customizable based on meaningful space usage (room, floors, departments, etc.)
- Define asset description fields: Name, Description, Asset Class/Type, Department Owner, and Icons
- Associate tags with assets and important asset description data
- Define reporting frequency and characteristics

Server requirements

Platform	Any platform with a Java virtual machine,
Software	e.g. Linux, Windows, Solaris J2EE incl. EJB 2.0 (bundled), JDBC 2.0 compliant transactional database
Memory	2GB
Storage	20MB-250MB (depending on configuration)

Client requirements

Platform	Any platform with a J2ME Personal Profile virtual machine e.g. Symbian, Linux or a .Net Compact Framework e.g. PocketPC Windows Mobile 2003 and above
Software	Personal Java 1.2, J2ME Personal Profile, or .Net Compact Framework
Memory	2MB
Storage	200-750KB (depending on configuration)

Local network proxy reqs

Platform	Any platform with a Java virtual machine, e.g. Linux, Windows, Solaris
Software	J2SE
Memory	1-2GB
Storage	<500KB (depending on configuration)*



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