

Real-Time Asset Management from RF Code

For Data Centers and Distributed Enterprises

Solution At-A-Glance

- Fully automated IT asset tracking/management. Across the enterprise, down to the rack.
- Affordable and easy to deploy. Rapid value. Rapid ROI.
- 100% accurate inventory, real-time. Lower TCO of assets.
- 3 levels of asset tracking visibility. Your choice.
- Same infrastructure as Environmental & Power Monitoring solution. Additional capability.
- Easy integration with 3rd party platforms. Leverage of existing investments.



Overview

Having real-time information about **what** is in your inventory, **where** that inventory is at any point in time and **how** those assets are affects both your bottom line and your compliance efforts. Traditional asset tracking and management is time consuming and costly. It is also static—out of date the minute the information is captured. Without accurate information, your company is exposed to security, liability and financial risks.

RF Code: Real-Time Asset Tracking and Management

RF Code's fully automated, real-time asset management solutions completely eliminate the manual process of tracking and managing physical IT assets—across the distributed enterprise and down to the rack level in the data center. 100% accurate IT asset inventory data, free of human error. Easy deployment for quick value and rapid ROI.

Our Asset Tracking/Management solutions consist of:

- Easily deployed, wire-free active hardware (tags and readers)
- Software that manages the asset tracking information
- Open APIs that make it easy to integrate into your existing technology platforms
- Adherence to industry standards including BACnet, OPC, Modbus and more

How the Solution Works

Active asset tags are affixed to IT assets—from mobile laptops to servers in racks. These tags transmit asset information to active readers which determine the precise location of the tag and then sends that data to software that manages the information. You pick the kind of asset coverage you need:

- Rack level for data center assets for open or closed racks. This provides sensor monitoring as well. (See our brochure, Wire-Free Environmental and Power Monitoring). Leveraging active RFID and Infrared technology, this first-of-a-kind solution delivers close to 100% rack location accuracy. The rack infrastructure is “light,” requiring little space and no Ethernet connection.
- Zonal for data center assets where there are open racks
- Zonal for distributed assets in offices, warehouses, for example

Levels of Asset Visibility: Data Center Asset Tracking

Rack Level Tracking. This first-of-its kind RF Code solution takes advantage of infrared's (IR) ability to "localize" or pinpoint asset location in defined areas—here, a specific rack. When coupled with RF Code's active RFID technology to track assets in large, dense metal environments, such as a data center, this IR approach gives customers a previously unavailable approach to tracking assets down to the rack level. Each rack is outfitted with:

- A740 Rack Locator, which emits a unique ID via infrared
- 2 IR light strips that emit the IR signal created by the A740
- IR enabled asset tags which receive the unique IR ID and transmit that data



Zonal Level Tracking. This solution provides open- and closed-rack data centers with general room level location information. RF Code offers different tags for zonal level tracking, depending on deployment configuration desired.

- R100 IT Asset Tag
- R110 Flex Mount Tag



Both data center tracking approaches work with:

- The M250 Fixed Reader, which lives on the IP network, capturing data sent by RF Code sensors and tags and transmitting that data to software that consumes the information.
- Asset Manager Software. Our software manages the environmental and power monitoring data captured by RF Code tags and sensors.
 - Provides policy based thresholding and alerting for proactive notification.
 - Allows for management of wire-free infrastructure.
 - Based on extensible, expandable, scalable and secure architecture.
 - Can be used alone or integrated into a third party platform.
- R150 Rack Temperature Tag, delivering ambient temperature
- R155 Rack Temperature/Humidity Tag, delivering ambient temperature and humidity
- R120 Door Switch Tag, providing wire-free door position information
- R130 Dry Contact Sensor Tag, connecting to any dry contact monitoring device
- R135 Fluid Sensor, providing instant fluid detection for critical spaces
- R170 PDU Tags, providing rack level power monitoring
- R160 Air Pressure Sensor, providing differential air pressure reading between 2 points

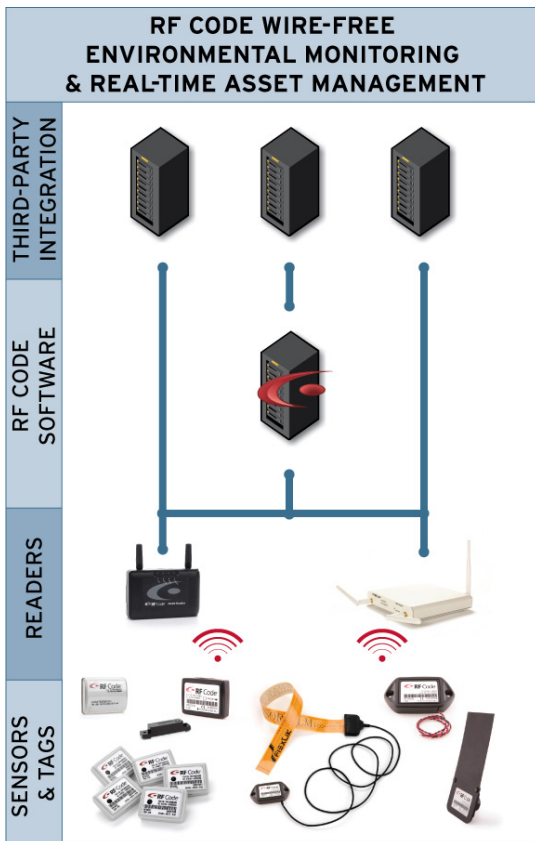


Levels of Asset Visibility: Distributed IT Asset Tracking

Zonal tracking for distributed IT Assets. This solution is ideal for organizations that have critical or high dollar assets in a distributed environment such as an office, a warehouse, or a healthcare facility. Providing tracking for an enterprise's fixed and mobile assets (laptops and expensive hospital equipment on wheels, for example,) zonal for distributed assets provides general asset location information as well as sensor monitoring. This approach is the most common level of tracking.

The solution features a variety of tags, developed specifically for tracking various assets that are found across large areas within an organization. These include:

- M100 and M100-i tags provide an economical solution to a wide variety of asset tracking challenges. Functionally the same as the M100, the M100-i has on-board infrared and motion sensors.
- M131 Tag is made to track IT equipment and shareable resources such as laptops, tablets and more.
- M170 and M170-i Durable Tags, are impact-resistant, splash-resistant and temperature stable. Functionally the same as the M170, the M170-i, is used to help provide room level location accuracy.



This approach also works with the M250 Fixed Reader. And, as with RF Code's data center IT asset tracking solutions, all information captured flows into RF Code's Sensor Manager Software.

ITM Communications

About ITM Communications Limited

By adopting a flexible approach to client requirements, ITM applies best of breed technology, in-house expertise and innovation, to deliver compliant solutions and services that offer value for money and achieve industry best practice.

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