



WAVETREND

A photograph of a warehouse interior with high industrial shelving units. A person in a blue shirt is pushing a pallet jack with a large orange pallet, creating a significant motion blur effect across the scene. The background shows various boxes and supplies on the shelves.

ASSET TRACKING AND MANAGEMENT

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Know exactly
where your
assets are.

Are you fully utilizing your assets?

Business Challenge

In any industry, operational efficiency relies on asset accuracy and timely maintenance. As business assets – people, product, equipment, and raw materials – are constantly on the move, there is a need for effective management.

Too often, operations managers rely on emails, sticky notes and spread sheets to find out the whereabouts of assets. And too often, operation managers will find themselves faced with uncounted assets in storage boxes, untracked or missing equipment. These stem from the many challenges that confront today's asset management, including:

- Lack of asset visibility
- Inefficient allocation and use of equipment
- Excessive cost of replacing missing equipment
- Security and safety problems related to the lack of knowledge of the location of assets.

The RFID solution

With RFID, companies can automate the tracking for everything – from notebook computers and trucks to safety equipment. An RFID tag is attached to an asset. The RFID tag stores a unique value

Tracking begins at the receiving tag with handheld RFID readers, where the status and location of the assets are immediately identified.

The benefits of RFID in asset tracking

By automating asset tracking, RFID delivers a wide range of benefits that help protect profitability and increased visibility of assets:

- **Increased productivity**– any time lag associated with searching for misplaced assets is eliminated
- **Save costs** – reduced financial losses related to leasing and purchasing equipment to offset losses and theft
- **Increased visibility of asset status and location** - Ability to quickly locate assets when required
- **Improved asset utilization** –Improvement in asset visibility leads to less cost spent on leasing and purchasing equipment.
- **Improved security of critical assets** – total visibility of assets will prevent losses and theft

“The tracking system from Interactive Lot has helped our dealership tremendously, especially with our inventory and floorplan audits.”

Cindy DelGuercio
Controller
Havertown Mitsubishi

SOLUTION OVERVIEW

READERS

RX210 - Serial Reader

The popular RX210 - RS485 / RS232 Readers detect Wavetrend's Activ™ and ActivDuo™ ranges of active RFID tags. This remotely configurable reader connects to the host PC, edge server or intelligent hardware controller via RS232, RS485 or TTL and can be used singly, or networked together. It offers a connection for an external antenna. Wavetrend recommends the IPSU Intelligent Power Supply be used to power RX210 reader networks.

RX900 – Ethernet PoE Reader

The award winning RX900 – Ethernet PoE Readers detect Wavetrend's Activ™ and ActivDuo™ ranges of active RFID tags. This remotely configurable reader connects to the host PC, edge server or intelligent hardware controller via an Ethernet LAN and has a unique MAC or IP Address to provide reader location ID for RTLS applications. The reader supports Power over Ethernet and offers a connection for an external antenna. The reader can be ordered without the standard power supply (**RX900-NPS**) when PoE switches will be used to power the readers on the LAN. It supports both DHCP and fixed IP addressing and the 256-bit AES encryption standard.

RX1000 – WLAN Reader

The RX1000 – Wireless LAN Readers detect Wavetrend's Activ™ and ActivDuo™ ranges of active RFID tags. This remotely configurable reader connects to the host PC, edge server or intelligent hardware controller via an available 802.11b/g Wireless LAN and has a unique MAC or IP Address to provide reader location ID for RTLS. It offers a connection for an external antenna and also comes supplied with a WLAN antenna and power supply. The reader supports all common WLAN encryption protocols, DHCP and fixed IP addressing and 256-bit AES encryption standard.

TAG

TGA – Asset Tag

The TGA Activ Asset Tag is an active tag that continuously transmits a unique ID number, which can be detected by Wavetrend® reader. An internal battery powers the tag and Wavetrend's patented ultra low power use design ensures longer battery life at higher rates of transmission than other brand of active RFID tag. Various present transmission intervals are available.

TGAI – Indoor Asset Tag

The Indoor Asset Tag is specially designed for use in indoor asset tagging applications, such as for tracking and monitoring laptops, IT equipment and transport media. The tag can be deployed equally well on metallic and non metallic assets and is splash proof. The tag can incorporate a motion sensor giving immediate alarms on movement, and offers different user-configurable rates for its status transmissions

TGM – Micro Tag

The Micro Tag is the smallest asset tag available from Wavetrend. It is designed for use in indoor asset tagging applications for smaller assets, such as for tracking and monitoring laptops, IT equipment and transport media. The tag can be deployed equally well on metallic and non metallic assets and is splash proof. The tag can incorporate a motion sensor giving immediate alarms on movement, and offers different user-configurable rates for its status transmissions.

