



RFID Loss Prevention & Asset Tracking

Windows™ level assets, when equipped with an RFID tag, can be tracked from location to location with the use of a UHF RFID tracking portal.

Retail Customer-Facing Technology

The OPI Loss Prevention System protects the retailer's investment in customer-facing technology. A Windows™ device can be tracked at the entrance, exit or sales parameter of the selling floor when the asset is equipped with an inexpensive UHF passive RFID tag. Customer-facing applications such as self-checkout, self-scanning and gift registry that use a Windows™-based portable barcode scanner are excellent environments for an RFID-based loss prevention system.

A portable barcode scanner or similar Windows™-based handheld asset that is equipped with a properly encoded RFID chip can be read in a scan area or tracking zone. The device or asset is alerted with a unique alarm message, the event is logged, and a real-time notification is sent via email, text message or audio alarm.

The RFID Loss Prevention System provides real-time reconciliation of high-value items that have been individually tagged with a passive RFID chip. As the device passes through the "tracking zone":

- Location status can be automatically updated.
- Device alarms can be triggered. Any Windows™ Mobile 5.0 (or better) can be network-registered and equipped with a custom wave file for unique alarm conditions.
- Email alerts can be dispatched to security or management personnel.





Motorola RFID Reader with Embedded Win CE Technology

The RFID Loss Prevention System utilizes the Motorola embedded Win CE reader, which eliminates the need for a separate application server.

This Windows™ CE-based appliance provides complete integration of the UHF RFID reader engine, application server, web portal and Compact SQL DB.

Talking Assets Are Easier to Track!

Voice instructions are available for Windows™-based assets. Individual event-driven messages capable of detailed operator/customer instructions for a low battery, loss possibility or other alarm condition (patent pending).

Manage Your Assets In Real Time!

Location-based reports, asset-based reports or activity-based reports are all available from RFID scanned events.

- The Manager's Dashboard is a web services-based reporting system that lists individual device-level data and performance indicators such as battery status, memory utilization and network connectivity.
- Battery alarm feature alerts a device automatically when the battery falls below 20% of capacity with an adjustable threshold.
- The Manager's Dashboard lists are available to export to Excel, PDF or XPF formats.
- A manager's handheld capability provides mobile access to all Dashboard information and support features, via web browsing for locations with Windows™ mobile devices.
- Network reporting of the RFID Reader and antenna read status and failure events.
- Email alerts directed to help desk or program manager are available for immediate notification and corrective action.

Lifecycle Management

Track the location and state of your assets from deployment, software upgrade, departure site and throughout their lifecycle.

- Location and alarm trigger are available on the Manager's Dashboard's for tracking, locating and testing individual Windows™ devices or properly labeled assets.

Employee Productivity Tracking

Existing employee badges can be easily equipped with a paper thin RFID tag to:

- Provide real-time Personnel Attendance data for employee tracking during an emergency
- Safety documentation for building evacuation planning
- Enable employee access control systems
- Build staff productivity reporting based on tracking portal activity.

