

# RFIDTraxx LLC

**RFIDTraxx LLC** is a company that offers solutions to tracking problems. We offer both asset and document tracking systems.

## Products

**DocStaxx** is a document tracking system using an HF system which allows individual pieces of paper to be stacked with only a single sheet between tags. This is unique among RFID systems where normally stacking more than five tags cause reliability issues. The system uses a parent child relationship built in so that documents can be assigned to folders. In **DocStaxx**, the users can add, find, shred, check-in/out, view locations and track the history (audit trail) of any document. Hardware for the **DocStaxx** system is based on the HF RFID system from Magellan Technology and is compliant to ISO/IEC 18000-3 mode 2.

**AssetTraxx** is an asset tracking system using an active 2.45 GHz tag. The tag has a battery life of over 5 years. In **AssetTraxx** the user can find, check-in/out and view the location of any asset in real time. The user can also set custom alarms conditions to send alerts when an asset moves out of a known location. The system uses hardware from Ingecom.

Both systems use a Server running MS SQL Server and MS IIS. The data is served to any PC on the network through a web browser, providing the user has the required permissions.

## Philosophy

**DocStaxx** is for tracking documents to the individual document level. Other document tracking systems that use RFID cannot provide the ease of use and still track the documents at the single sheet level. The ability of the Magellan PJM RFID system to read tags even when they are deeply stacked immediately on top of each other means that a complete file of documents can be verified as complete and missing documents located before the folder is taken from the desk. This kind of information can be very important when, for example, an attorney needs to take a legal file to court. In an instant, the contents of the file can be verified and any missing documents located. Compare this to the time it can take to check through a complicated folder and then how many people it takes to find the missing documents. It is estimated that a legal office may spend tens or hundreds of thousands of dollars every year just looking for documents. It should be noted that **DocStaxx** is a document tracking system NOT a theft or fraud prevention system. It relies on cooperative use of the system.

The reporting system in **DocStaxx** means that we can instantly see where a file folder is and which documents are missing. We also can see if those missing documents are on another desk.

### Documents Located:

Name	Location	Loc Group	Status	Misfiled	Folder Name	Folder Location	Folder Status
Allied AIDC	Small Black	Steve's Office	✓			Small Black	✗
ACME Brush Proposal	Small Black	Steve's Office	✓		Allied AIDC	Small Black	
Allied AIDC - 1120 Tax	Small Black	Steve's Office	✓		Allied AIDC	Small Black	
Benefits Review	Small Black	Steve's Office	✓		Allied AIDC	Small Black	
Capital Expenditures	Small Black	Steve's Office	✓		Allied AIDC	Small Black	
CEO Memo - H/R	Small Black	Steve's Office	✓		Allied AIDC	Small Black	
CEO Memo - Sales dept.	Small Black	Steve's Office	✓		Allied AIDC	Small Black	
New Products	Large Green	Steve's Office	✓	✗	Allied AIDC	Small Black	
Proposed Operations	Large Green	Steve's Office	✓	✗	Allied AIDC	Small Black	
Sales Forecast - 2008	Large Green	Steve's Office	✓	✗	Allied AIDC	Small Black	
Shareholder Meeting	Small Black	Steve's Office	✓		Allied AIDC	Small Black	

Folder is NOT complete

Documents missing

Location of missing documents

The system has the ability to find, add, edit, check-out, archive and shred documents as well as view locations. This powerful system is available to anyone on the network with the appropriate login authorization simply from a web browser interface. The software for the system resides on a single server which runs the web server and the database system making administration of the system very easy. Administrators can setup authorization on an individual basis. Reports can be accessed through an on-screen menu and custom reports can be easily created and added to the screen.

**AssetTraxx** looks at assets in a more general fashion. Whether you need to monitor computers and peripherals, or look at equipment in a building, this system has a means to provide the answers you need. Based on active tag system with long range and long battery life, the system can monitor the location of your assets as well as their movement.

The system uses a central server with a web server and database system to give information to any authorized web browser on the network. As before, a full history of the asset is available, as well as a system of alerts to warn when an asset has broken the rules setup. For each asset a set of rules can be setup to define when an alert should be sent (left room, went through a door, and wasn't seen by a reader for a given amount of time). If any of these rules are tripped, an alert (email, SMS, or screen based) can be configured to bring attention to a potential problem. Alarm bell or video camera activation can be added if required.

Examples of an alert situation might be an asset going through the front door of a building. The system can be set such that no tag is allowed to leave through this door and alerts are sent if this event is detected. It is possible for a person to check out an asset and leave an explanation about the location of the asset. This would then void an alert, but only bringing the asset back in the building would check the asset back in.

## ASSETTRAXX - RFID Asset Tracking

**Find Asset**

Partial name to find:

Show Retired Assets

**Assets Located:**

Name	Tag ID	Location	Status	Alert History	Edit
C-R Projector	C00005271	Office	No	Alert History	Edit
NAS_01	C00005272	Office	No	Alert History	Edit
HP4500 Printer	C00005273	Office	No	Alert History	Edit
Tow Motor 1	C00005274	Office	No	Alert History	Edit
Portable O2 Pump	C00005275	Door	No	Alert History	Edit
HR Laptop	C00005791	Office	No	Alert History	Edit
Benefits Laptop	C00005792	Office	No	Alert History	Edit
Office Mgr Laptop	C00005793	Office	No	Alert History	Edit
Demo Room LCD	C00005794	Office	No	Alert History	Edit
IT Workstation	C00005795	Office	No	Alert History	Edit

# ASSETTRAXX - RFID Asset Tracking

UID	Alert Type	Alert	Tag ID	Asset Name	Location	Status	Alert Set	Alert Processed	
3083	3	Specific Asset seen entering any Door Location and not Checked Out.	C00005275	Portable O2 Pump	Door	2	12/23/2009 10:36:40 AM	12/23/2009 10:36:40 AM	Clear

## Technical Description

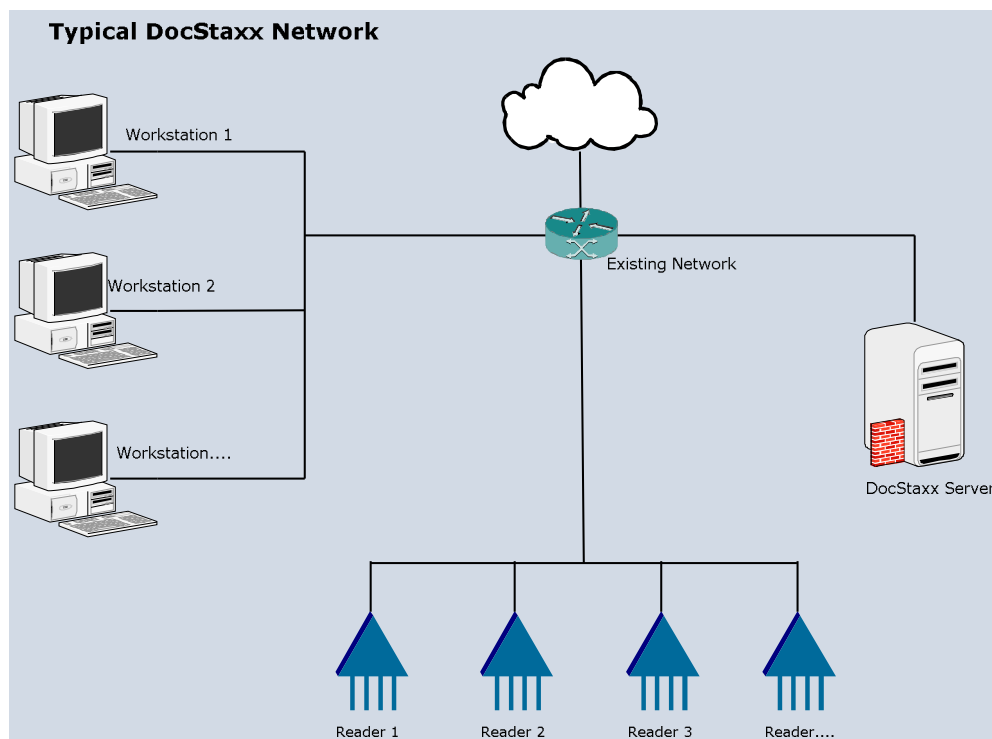
### Both systems use:

- Windows XP Pro, Vista Business, Windows 7 Pro, or Windows Server 2005 or newer
- Microsoft SQL Server 2005 (Express) or newer
- Microsoft Internet Information Server (IIS)
- Internet Explorer version 7 or newer

### DocStaxx

- DocStaxx system software
- DocStaxx licenses (1 for each antenna in use)
- Readers (Ethernet (hardwire) enabled)
- Tags
- Printer for tags (if required)

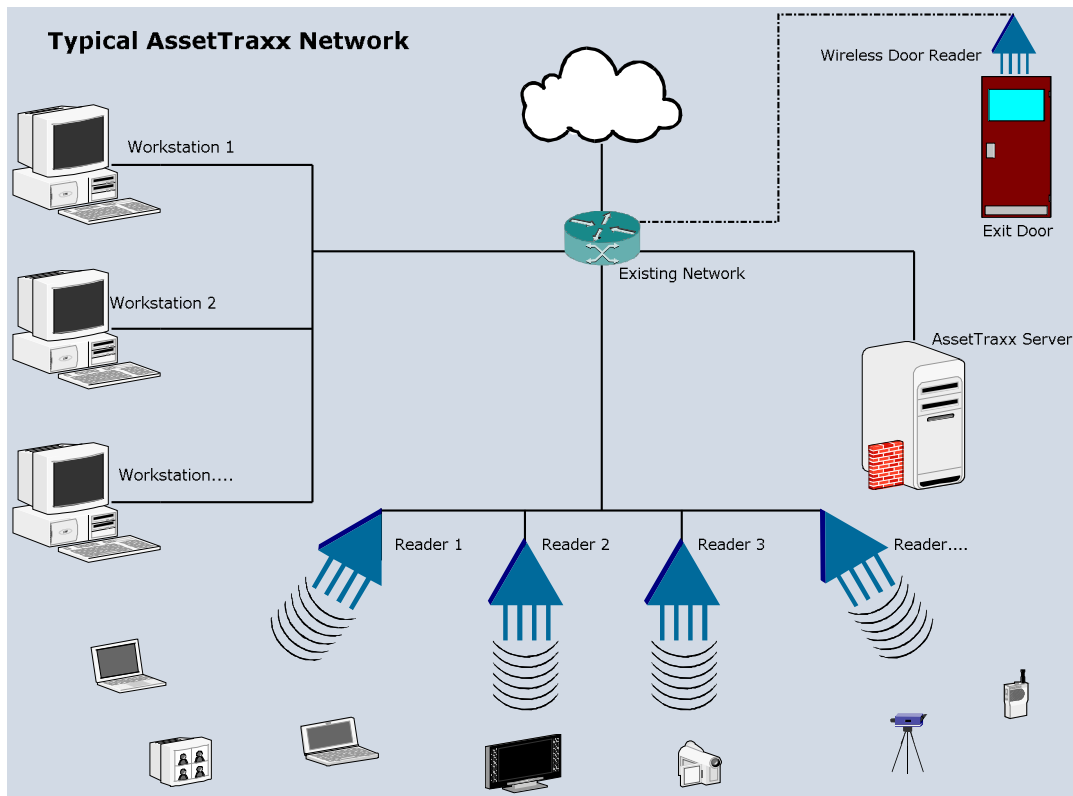
Readers are available in a variety of configurations from stand-alone in-tray to flat panel antennas controlled by readers that can drive several antennas.



## AssetTraxx

- AssetTraxx system software
- AssetTraxx licenses (1 for each reader used)
- Readers (Ethernet (hardwire or wireless) enabled)
- Tags

Readers have a small form factor that can either be physically attached to the network or can be wireless. The readers require 110/240 volt AC power.



## Potential use scenarios

### DocStaxx

- New document is received (or printed)
- Document is issued a tag, (with or without printing) and assigned to a file folder
- Information on the new document is entered into the system
- Readers are placed on every desk where document might be held
- Documents are stored on readers on desk
- File cabinets and bookcases can also be monitored
- Any PC can determine the location of the document
- Users locate documents and view history as needed.

### AssetTraxx

- All relevant assets are tagged
- Administrator sets up alerts based on requirements
- Users can locate assets and view history as needed

## Enhancements

Both **AssetTraxx** and **DocStaxx** can be tailored to meet the user's requirements. The following are options that are available:

- Use of UHF tags to allow the monitoring of file folders as they move through a building. This can be done in addition to the individual document monitoring.
- Custom Reports either on demand or automatically generated
- Print RFID Encoded labels directly from optional printer
- Multiple levels of alerts (selected transactions of events) and notifications thereof.
- Physical alerts such as alarm bell or activation of video camera

## Demo kits

We offer demo kits for both products. The hardware is supplied at a discount and a free version of the software is available that is limited in its function (limited number of read points (4) and tags (50) in **DocStaxx** and 2 read points and 10 tags in **AssetTraxx**).

### *The demo kit for DocStaxx comprises:*

- 1 - MARS 2 reader
- 1 – in-tray antenna
- 1 – flat panel antenna
- 50 – tags
- 1 – antenna tuner
- 1 – demo software package (includes 4 antenna license)
- 1 – 2 hour phone support unit

**The price for this kit is \$2750.00 (plus shipping)**

### *The demo kit for AssetTraxx comprises:*

- 2 – readers (one wired, one wireless)
- 10 – tags
- 1 – demo software package (includes 2 antenna license)
- 1 – 2 hour phone support unit

**The price for this kit is \$2150.00 (plus shipping)**



<http://www.RFIDTraxxllc.com>