

Peel, Stick, Track

Product Catalogue and Planning Guide

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SIMPLY **RFID**

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What is NOX?

NOX uses RFID (Radio Frequency ID) tags to monitor the movement of people and assets (equipment, computers, and other property,) and links the asset movement to corresponding video. Using NOX, you can search for any asset and instantly retrieve video and tracking data for all movement through the facility. Assets can also be located and viewed in real-time using video feeds, even if they are in briefcases, inside boxes, packed on trucks, under tarps, under coats, behind furniture, or in file drawers. If any tagged asset is moved, you can choose to receive an alert that includes a picture and time stamp of who moved it and when it happened.

NOX works via a standard web browser and is accessible on most iPad®, iPhone®, and Android™ mobile devices. It provides constant unattended asset surveillance with alerts for triggered security events, and maintains a complete history of asset movement that can be accessed anywhere in the world. Physically, it is a set of devices configured into a system that allows a customer to find immediate information about where an item is, where it has been in the past, and who moved it. It is a proprietary and configurable set of RFID readers, antennas, network server software, databases, Wi-Fi, video cameras, and RFID-tagged assets that operate together to produce a tracking and automatic surveillance system. If desired, NOX includes all the exportable file information necessary to integrate its output data with a customer's accounting, inventory, or security system.

Concept of Operations

Inventory items, tools, computers, or other assets to be tracked are tagged with RFID chips, which come in a variety of sizes depending on the item to be tagged. The first decision is an assessment of what types of RFID tags to use. In most applications, this is a passive, self-adhesive label that is typically 4"x0.62" and come standard on a roll of 1,000.

Blank passive RFID labels come with an inlay inside which serves as a receiving antenna. Each label is programmed using an RFID printer to associate the item with a specific 24-digit hexadecimal code. To facilitate visual identification, the printer will produce the asset's ID number on the label. Some customers will require a high volume of tags and may require their system to include printers so they can print tags on-location for themselves, but most customers will find it more convenient to buy the tags pre-printed, from the integrator or reseller.

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Android™ is a trademark of Google, Inc.

RFID security concerns

The RFID tag product ID is unique to each customer, so it has no inherent meaning when separated from the customer's database. During the initial setup of the system, the customer assigns database values to the appropriate product ID numbers. In product planning for the quote, it is important to consider how much assistance you, as the installer, will provide for this setup. Some customers may want to hire consulting staff to tag the items and provide initial set up of the database; other customers may opt to assign the task to their own staff. In either case, the items are associated with values using the NOX Asset-Tracking-Appliance (NOX ATA), which is a separate, secure network server running a Microsoft SQL Server™ database. The NOX ATA appliance records the history of movement for every tagged item. Whenever a tagged item passes by an RFID reader, an event occurs and is recorded.

Logged events can be transmitted to the customer's inventory management, accounting, or other management software from the NOX ATA as a .csv file which can be integrated as the customer desires. A complete API set is also available for additional customization.

Because no information other than the hexadecimal ID number is actually programmed into the RFID tag itself, there is no risk of compromised data from the RFID tag. This is because an RFID tag carries no meaningful information if it has no access to the customer's secure NOX ATA database. If the tag were read by an unauthorized person with a nefariously purposed RFID reader, the information will be worthless unless they could also hack into the identifying NOX ATA database, which is not resident on the customer's network server. For additional security, it is also possible to configure the NOX ATA server offsite.

Tracking Zones

Each area to be tracked by NOX software is called an "interrogation zone." Typically, a zone can be a room up to 800 square feet, or a specific entrance point such as a doorway or loading dock. Tracking areas greater than 800 square feet require incremental sets of NOX Interrogator modules. Each interrogator zone requires an RFID reader, which come in varying shapes and sizes and are selected based on the customer's needs. Readers can also use hand-held devices, such as the NOX Vault hand-held reader. Readers can be installed covertly or overtly – that is, they can be hidden inside walls or ceilings, or they can be mounted where they can be seen. They have varying read ranges, and can be installed with slave modules to expand their coverage area. Full NOX technical training includes criteria for selecting and mounting RFID readers.

The NOX ATA

Every time a tagged item passes a defined interrogation point, or is noted as present by a handheld reader, the RFID tag ID is stored in a Microsoft SQL™ database on the NOX ATA.

Microsoft SQL Server™ is a registered trademark of Microsoft Corporation in the United States and/or other countries.

The time of this event is also stored, so a history of the item's movement is built. The item history may optionally include a video still frame of the event, which is stored in the database with the item information. The customer chooses whether or not a specific event should trigger a system alarm which can be indicated by flashing lights, bells, or messages sent to cell phones or mobile devices. Additional information on how to configure alarms is contained in the NOX technical training.

Video events are retained on the customer's system based on the disk space provided. Each camera requires approximately 400GB per month. The amount of stored data is highly variable based on the amount of movement in each camera zone, the frame rate stored, and resolution of the captured feed. The key surveillance factor is that the tagged item does not have to be visible to be read by the sensors, as it will be read inside briefcases or other containers. Video of the time frame that the item moved past the reader will record the event.

Finding an Item and Querying the Database

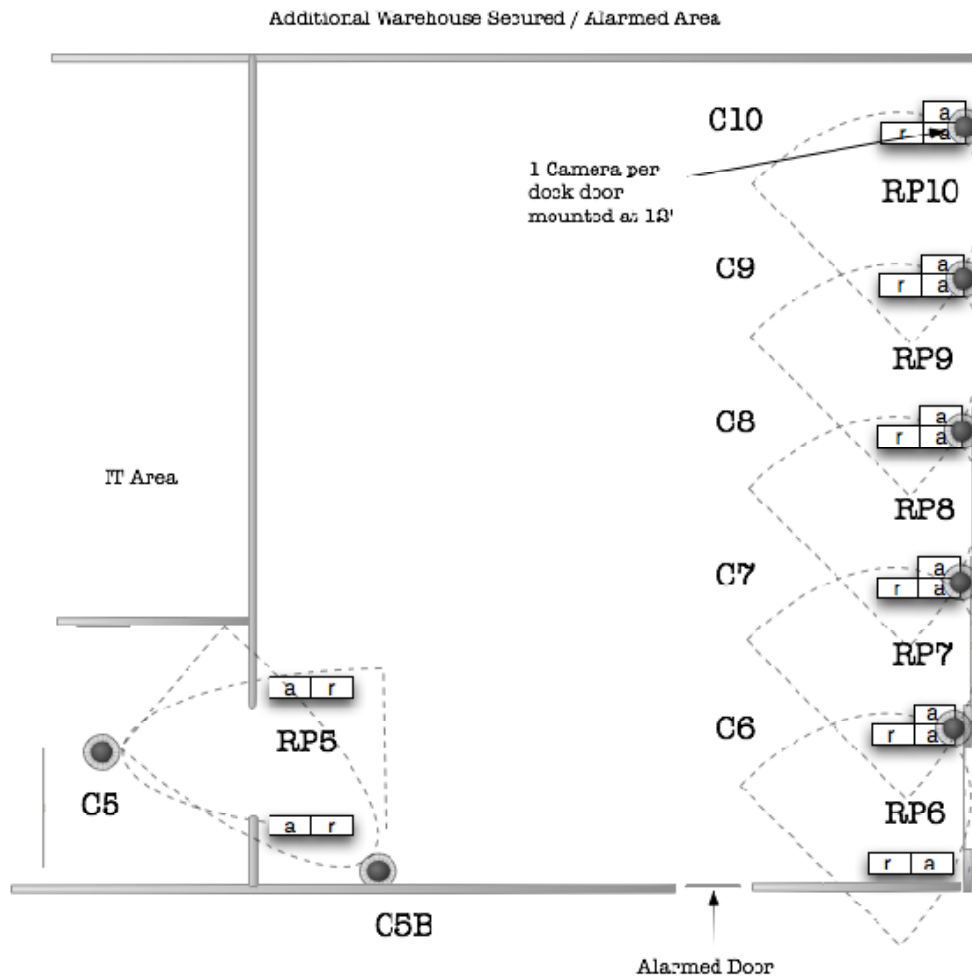
Any tagged item may be located by searching for the product ID, which will bring up a video view of the item on a web browser. The video will show every location the asset has been seen passing a reader, the time it was seen, and a link to the all video events. Asset movement may also be accessed using an XML API, if the customer or a contractor has performed additional software development to suit their application.

Check-in-Check-out Procedures

A customer may have security concerns based on the authority of the user to access a particular item – some people are authorized to move certain items, but others may be restricted from its use. The NOX Check-in-Check-out module allows customers to identify who may move monitored items without triggering an alarm. It also records who last had the item, who removed it from a specific zone, and where it is currently located. This feature is particularly useful in tool rooms, evidence rooms, and other monitored or restricted zones.

Supply Chain Logistics

NOX also supports conveyors, palletization stretch-wrap machines, handheld RFID inventory procedures, visual asset maps, and notifications regarding asset movement. The following blueprint shows a typical NOX configuration in a warehouse. In this drawing, RP represents an interrogation zone, R represents a reader, A represents a slave antenna, and C represents a camera.



Warehouse

RP = interrogation zone

R = reader

A = slave antenna

C = camera.

For more detailed technical training in the NOX needs analysis, product configurations, support, installation, and training, please sign up for NOX Special Agent technical training.

NOX Systems Overview

The customer's specific needs define how NOX is configured. As you work with each customer, you will need to interview that customer about how they currently manage their asset tracking and how they plan to expand it. Compliance with the Sarbanes-Oxley Act and other regulatory and oversight concerns impact asset tracking and inventory management in every company, so they must be considered. The security of major assets and issues with equipment maintenance will likely come up. The common thread for every customer is a desire to know the location of an asset, as monitoring assets will reduce errors, prevent loss of goods, and increase total security. NOX has a number of ways to implement these benefits, and the best way is configured specifically for each customer.

Each customer may solve their asset and inventory management problems with different approaches, and may have different security measures currently in place. Customers may have existing security systems, accounting systems, and inventory control systems that must be tied into the NOX system and installation. If there are no pre-existing systems, NOX must be configured to provide the custom reports that make sense for that customer. This means there is a component of customization with every installation. In some cases it may be extensive; in other cases it may be minimal.

The following explanations are basic system configurations. During the proposal process, you will evaluate and quote the system that best works with the customer's needs. This may be an expansion or modification of the basic systems described here.

NOX Asset Tracking with Surveillance

In an asset tracking system, the customer is looking to account for a specific set of items. Each of these items will be tagged with an RFID chip that will record a hexadecimal number associated with the information fields entered in the NOX database. The corresponding data will be based on how they decide to implement asset tracking, and whether they will integrate the RFID database with their existing software database. For example, a customer may choose to monitor all of the laptops in the office, all valuable tools, furniture, and electronic equipment. Everything that the accounting department tracks and depreciates as an asset is a good candidate for tracking via RFID.

The basic configuration of an asset tracking system consists of RFID readers set at strategic locations in the building – most likely placed around doors. These readers will be connected to an internal network which hosts the NOX Asset Tracking Appliance (ATA). The ATA will receive data from the readers as items tagged with RFID chips pass by the connected antennae.



Any PC with a web browser can access reports from the ATA. The ATA will record movement of tagged assets, including a time stamp of when the item passed each installed reader antenna. For additional security, the customer may choose to install NOX Cameras at each reading point. The ATA will store the video frames captured at the time the item moved past the readers, which means the database will have pictures of who took the item through those doors, and a record of when it occurred. This event will register even if the item is hidden inside a briefcase or box. The customer may opt to set up alerts that are sent to any specified mobile phone, personal computer, or other network device when a specific item passes by a reader. A flashing or audible alarm may also be connected to the network.

The picture above shows 4 ceiling-installed readers, the NOX ATA server, 2 NOX cameras, and a NOX terminal.

NOX Inventory Control

The assets in a business are monitored not only to confirm their location and security, but also for accounting records and regulatory compliance. Additionally, many pieces of equipment require periodic maintenance and calibration. Companies often need to shut down to do a complete inventory, or may hire an outside firm to conduct inventory for them. The NOX Vault hand-held reader can turn a 2 or 3-hour inventory of a room into a six-second task.

When using NOX for inventory control, you must first have all necessary items tagged. This setup is an initial startup cost and pays out with the first use. As items are tagged, the information required for the accounting department is stored in the NOX database. This is the same NOX database used for asset tracking, and the same tags, so one purchase of an asset tracking system will satisfy the tagging and database needs for inventory control.

Adding the inventory control capability to your NOX asset tracking system requires purchasing a NOX Vault hand-held reader. With this hand-held reader, you point and click to get a complete readout of every tagged item in a room.

Additionally, the NOX Vault will tell you which items are missing from the designated area. If you are looking for one specific item, the NOX Vault will click more rapidly as you approach the item's tag.



The NOX ATA server and additional asset tracking components are not required to use the handheld for inventory control. The hand-held reader will work in a standalone mode by using a Wi-Fi or USB connection to your PC for your data and reports.



NOX Check-in-Check-out

Many asset tracking applications are a form of equipment control. Equipment is secured in a controlled area such as a room or a cage, and certain people are authorized to borrow those items from that area, use them for an approved purpose, and return them at the end of the task. Examples include evidence rooms, supply rooms, tool rooms, or rental equipment areas.

For check-in and check-out authorization, companies normally have a log sheet that an employee is expected to sign. In the case of more valuable items, there may even be an employee at the door who ensures that the log is signed. This is an imperfect method, and leaves plenty of room for error. By adding a NOX Check-in-Check-out terminal to your asset tracking system, you have an automatic record of who took what when.

In this case, your employees are also tracked like assets. They wear company badges with RFID tags in the cards, and as an item is removed from the cage or designated area, the NOX system records both the items taken and the badge that passes the reader at the same time. If an item goes through the reader's zone without an authorized badge (i.e. an employee has removed their badge for the purpose of taking the item), an alarm will sound and an alert will be sent out.

This module is also useful for performing check-in and check-out of individual employees for secure or restricted areas. The Check-in-Check-out feature can also be applied to convention settings, where readers can survey the number of tags present in a specific room and send an alert if the room capacity is exceeded.

Check-in-Check-out is an add-on to the NOX Asset Tracking with Surveillance system. It can be ordered with custom reports, or custom reports can be developed using the optional API set.

NOX Supply Chain Logistics

When you are preparing manufactured items for shipment, items go through a picking and packing process before shipping out the dock door. After the items are loaded on the truck, the NOX Vault hand-held reader can verify that the items are all in place. When they arrive at their destination, a second pass with a NOX Vault reader can verify that they were delivered. This logistics tool can significantly eliminate losses in the supply chain and protect profits.

Before your items leave your shipping facility, they must be carefully picked and packed to order. NOX Supply Chain Logistics products improve that process, increase productivity, and eliminate losses from packing and shipping errors. The picture below shows NOX readers surrounding a dock door. The readers will record every item that goes through those doors, as long as it is tagged with an RFID label.

Before an item goes through the shipping doors, it must be packed into boxes as specified by an order for delivery. Every company sets up their process differently, but in one form or another, every company puts items into cases, and organizes cases onto pallets, to efficiently fill the trucks. RFID tags can be placed on pallets, on cases, and on individual items.



A high-capacity RFID printer, taking direction from the NOX Enterprise Edition server, allows for in-house printing and association of tags at the item, case, and pallet level. RFID readers along the conveyor allow pack stations to monitor the count for each box, and the palletizer associates cases with pallets.



SimplyRFiD works closely with the Defense Logistics Agency of the United States government. They have deployed item-level RFID systems to many Department of Defense suppliers shipping to the US military. These customers package and track up to 300,000 items a month on conveyor systems, and other customers ship 10,000 items a month on smaller pack-table systems. On the following page, see what our basic item-level "Warehouse Management Systems" do.

SimplyRFiD's Warehouse Management Systems:

Supply chain RFID products offer a return on investment that dramatically changes the competitive position of a manufacturing company. For a full needs-analysis and quote on a supply chain process, TransTech Systems will discuss your specific application.



1. Item-Level RFID Tag Production

Item-level tagging is done using an in-house RFID printer or pre-printed tags. NOX sends print jobs to this printer and tracks every tag produced, ensuring each tag is associated with the item and its critical information stored in the database. Most Equipment Requirements Planning systems, including the DoD mandates for RFID use with VIM/ASAP and WAWF, can be met and integrated with this system.

2. Hand-held RFID Readers

Depending on the configuration of the system and the needs of the customer, any number of hand-held readers can be deployed to assist with the tagging and tracking of items for shipment. Hand-held readers allow for on-demand use in implementing and verifying item-tagging, case-tagging, or pallet-tagging. They are also used to find specific items that need to be located.

3. Packing Station / Pack Table

For associating tagged items to cases, we offer a packing station or pack table. The NOX Pack Station includes a fanless touch-screen PC designed for factory or industrial operation capable of tolerating up to 104° Fahrenheit room temperatures. The touchscreen can also be wall-mounted to save space. We include a fixed RFID reader and an optional RFID printer for case-level RFID label printing. This integrated approach is the simplest solution for quickly adding RFID to every shipment. The NOX Pack Station system will scan the contents of a carton and produce an appropriate case-level RFID tag with the unit pack information. The pack station can also be installed with an audio readout option.

4. Palletizer

For matching cases to pallets for shipment, the system includes a palletizer device. By placing the cases on a stretch-wrap device, the system scans the cases on the pallet and produces a pallet-level RFID tag. This associates the cases with a shipping pallet.

5. Conveyor

For maximum throughput, the NOX Conveyor includes a touch-screen PC for operator input, two fixed RFID readers and secondary slave RFID antennas, one RFID printer for case-level printing, and a secondary printer for exception reports. The conveyor runs continuously at 120 feet per minute and automatically scans item tags, produces the case-level tag, and prints an exception label with any corrective actions noted for non-compliant cases. The conveyor can continuously process one case every 12 second, or the speed can be increased to one case every six seconds with a conveyor running at 240 feet per minute. The NOX conveyor can be connected to a spacing conveyor to automatically release new boxes.

6. Dock portal

An optional dock portal ensures that all items exiting the dock door are part of the shipment that has been selected. The system will generate an alarm and print an exception ticket to let the operator know if the pallet is being incorrectly shipped by identifying the matching numbers to the shipment.

Taken together, this system dramatically reduces warehouse management costs and ensures correct shipments to customers. The system can also be configured to trigger alarms when an unauthorized person is near a tool or piece of equipment, serving as an early warning to prevent incidental tampering and increase workplace safety.

Section II. Product Overview

- A. NOX Asset Tracking Appliance (ATA)
- B. NOX Camera
- C. NOX Interrogators
- D. NOX Printers
- E. NOX Alarms
- F. NOX Check-in-check-out Terminals
- G. NOX Vault Handhelds
- H. NOX Pack Table
- I. Turnkey Supply Chain Solution
- J. RFID Tags
 - a. Pre-Programmed
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NOX Asset Tracking Appliance (NOXATA / NATA) 203 / 210 / 250

Part: NOX-ATA203 / NOX-ATA210 / NOX-ATA250

The NOXATA is the brains of NOX and connects to all other NOX components. Each NOXATA model class adds more power to your configuration. The NOXATA 203 and NOXATA 210 are both 1U rack mountable server-class chassis.

The NOXATA 203 includes a mini-asset-tracking-appliance designed to operate a small office or to easily set up mobile sting operations. The NOXATA 203 can easily run up to 5 RFID zones with video and includes a 3-zone NOXCore license.

The NOXATA 210 is designed to operate a larger office with 5 to 25 RFID asset zones. The NOXATA 210 includes 10 NOXCore Zone licenses and 1TB RAID1-configured which is sufficient to hold about 30 days of video from ten NOXCamera 6N's.

The NOXATA 250 is designed to operate a major office with 20 to 50 RFID zones. The NOXATA 250 data storage is expandable from 7TB to 45TB for long-term video storage and includes 50 NOXCore Asset Tracking Zone licenses.

How it works:

1. Plug in your NOXATA and connect to a network.
2. Add NOXCameras and NOXInterrogators.
3. Tag your assets.
4. Monitor your assets.

What it includes:

- NOXCore Asset Tracking Appliance Server and Zone Licenses (3, 10 or 50 based on model).
- One year of Premium Support.
- Complete pre-configuration and build sheet so you can plug it in and start tracking!

NOXCamera CDOME

Part: NOX-CDOME

The NOXCamera is a network IP-based camera for monitoring your assets and linking the movement of tracked RFID assets with video.



The CDOME is a 1280x800 resolution 0.9-lux vandal-resistant network IP camera with Power over Ethernet (PoE). For applications, this is the most ideal and economical solution. A resolution of 1280x800 provides plenty of fine detail and can be lowered to save storage space. The CDOME is based on the world-class AXIS P3304-V platform, mounts aesthetically to walls and ceilings, and has a 1-year warranty.

Wired or Wireless? We do not offer a wireless camera. Wireless solutions are great for ad-hoc stinging operations, but we recommend a wired solution for permanent installations.

Outdoor? Any NEMA-rated enclosure will work.

How it works:

1. Plug in your NOXCamera.
2. Add NOXCameras to your NOXATA configuration.
3. Monitor your assets.

What it includes:

- NOXCamera.
- One year of Premium Support.
- Complete pre-configuration and build sheet so you can plug it in and start tracking!

NOXInterrogator 2 / Slave

Part: NOX-I2 / NOX-I2S

The NOXInterrogator is a network IP-based RFID interrogator that runs on PoE (Power over Ethernet), searching for RFID tags moving through your facility and reporting them to the NOXATA. The NOXI2S Slave offers a secondary antenna that can be attached to extend the coverage zone of a single NOXInterrogator.



Specifications: 12"x12"x4" with VESA mount holes (100mm) and a one year warranty.

Outdoor? Any NEMA-rated enclosure will work. -40°F operating temperature.

How it works:

1. Plug in your NOXInterrogator. The NOXInterrogator begins searching for tags up to 40' (depending on the orientation of each tag and tag type) from its location and reports them to the NOX Asset Tracking Appliance (NOXATA).

2. Add the NOXInterrogator to your NOXATA configuration and place it in a zone. Add cameras and you can see video of the items moving into that zone.

3. Monitor your assets from any web browser.



What it includes:

- NOXInterrogator or NOXSlave.
- One year of Premium Support.
- Complete pre-configuration and build sheet so you can plug it in and start tracking!

NOXPrinter 2

Part: NOX-P2

The NOXPrinter is for high-volume RFID tagging requirements where you will be producing over 1,000 RFID tags per month. This printer makes it easy to create custom NOX-2 RFID labels.

Note: This only prints and programs the NOX-2 tag. The NOX-TMx tags are hardened tags that are factory programmed/labeled.

Specifications: Continuously produces about 50 RFID tags per minute.

Outdoor? No.

How it works:

1. Plug in your NOXPrinter.
2. Queue RFID tags for printing. These can come from your warehouse management system or a Microsoft Excel® spreadsheet.
3. Select the label format you wish to produce the tags with.
4. Tags are produced and assigned an ID in the NOXATAdatabase. Collect your tags and begin placing them on assets.

What it includes:

- NOXPrinter.
- One year of Premium Support.
- Complete pre-configuration and build sheet so you can plug it in and start tracking!

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NOXAlarm 2

Part: NOX-A2



The NOXAlarm is a stack-light buzzer and red light that can be triggered from NOX with any event. It connects via a network interface and can be mounted anywhere with network access and power.

An alarm rating of 64-90decibels is configurable when ordered. The red light stacks together with the alarm and is designed to flash during a designated event.

How it works:

1. Plug in your NOXAlarm.
2. Add events to trigger the alarm.
 - a. Sample Alarm Events:
 - i. Tag shows up at a door without an authorized user.
 - ii. Tag disappears from view.
 - iii. Tag shows up at door during closed business hours.
3. Alarm sounds and light flashes when an event occurs.

What it includes:

- NOXAlarm with base and network interface.
- One year of Premium Support.
- Complete pre-configuration and build sheet so you can plug it in and start tracking!

NOXTerminal 2

Part: NOX-T2

The NOXTerminal is a touch-screen PC designed for industrial use. It is stand-alone and includes a VESA-mount interface for flat-mounting to a wall or it can be placed on a table with the included base. The NOXTerminal is fanless and can operate in environments up to 104°F. This is a durable, industrial-grade appliance.



How it works:

1. Plug in your NOXTerminal.
2. Assign it a duty (check-in/check-out is the most common) and a zone (so your items are going to or from that terminals zone).
3. NOX dynamically updates the terminal with in-view items and allows users to badge items into and out of the secured area. Add a NOXAlarm to make things really exciting!

What it includes:

- NOXTerminal with base and VESA holes. A tabletop base is also included.
- One year of Premium Support.
- Complete pre-configuration and build sheet so you can plug it in and start tracking!

NOXVault 2

Part: NOX-VAULT2



The NOXVault is our premier hand-held RFID asset tracking solution with excellent performance for tracking assets and read ranges up to 20'.

How it works:

1. Load a list of RFID-Tagged assets in Microsoft Excel® .csv format onto the handheld.
2. Squeeze the NOXVault Trigger.
3. NOXVault tells you what it has located and what is missing.

What it includes:

- NOXVault hand-held reader, 2 batteries, NOXVault software, and a charging station.
- One year of Premium Support.
- Complete pre-configuration and build sheet so you can plug it in and start tracking!

Microsoft Excel® is a registered trademark of Microsoft Corporation in the United States and/or other countries.

NOX Pack Table / Packing Station



Our latest design comes with a touch-screen PC for operator input. We include a fixed RFID reader and an optional RFID printer for case-level printing. You may also choose an audio mode and larger fonts.

Ask to see the video of our talking Pack Table installed at the National Industries for the Blind!

NOX Turnkey Supply Chain Solution



SimplyRFiD will configure your supply chain solution using the building blocks of the NOX ATA, asset tracking with surveillance zones, the NOX packing station, NOX conveyor, hand-held readers, palletizer, portal doors, and custom integration components. Because our solutions have been implemented in hundreds of facilities, we have pre-built components that save up to six figures. Warehouse and shipping departments are configured in many of the same ways. NOX has been refined into an

application that will seamlessly integrate with your business processes and improve your results.

Please call for a custom quotation.



NOX RFID Tags

NOX-2 High-Performance RFID Tag

Part: NOX-2 and NOX-2PRE

See: <http://simplyrfid.com/long-range-rfid-tag.html>

The NOX-2 RFID tag is the best performing tag for tracking most assets. The average read range is 40' with a near-guaranteed read within 20'. The tag comes in two parts: the top portion is 4"x1" and is used as a duplicate of the RFID tag portion (4"x0.6"). This duplicate is great for record keeping (sending to finance so they have a record of each tagged asset ID) or to place on the outside of the container so you do not need to open the container if the RFID reader is not immediately available.

You can purchase tags blank or pre-programmed for quick deployment.



NOX-TM4 On-Metal High-Temperature Rugged RFID Tag

Part: NOX-TM4 (USA / Europe)



See: <http://simplyrfid.com/high-temp-on-metal-rfid-tag.html>

The NOX-TM4 tag is designed specifically for use on metal parts. Its small form-factor makes it the perfect tag for tracking metal laptops, servers and tools. The NOX-TM4 is durable and can withstand hazardous environments up to 400°F including autoclaves. NOX-TM4 tags can be boiled, crushed, burned or frozen and remain unscathed. This RFID tag can be read up to 10' when applied directly to metal but has a working range closer to 5'.

NOX-TM9LR On/Off Metal High-Temperature Rugged RFID Tag

Part: NOX-TM9A (USA Only)

The TM9A is a larger tag (95mm x 25mm x 3.2mm) for the maximum tracking performance. If you cannot afford to miss reading a tag, this works great on and off metal at up to 20'. For a complete list of rugged tags, please see our price list and quick quote guide.



Section III. Software for Custom Requirements

- A. NOX Core Server Software with API Set
- B. NOX Core Process License
- C. NOX Core Zone License
- D. NOX Tag Printer License

NOX Core Server Software with API Set

The NOX Core Server Software with API set is designed for software engineers and systems integrators to build their own add-on applications and integrate with the customer's existing ERP and accounting systems. This is the same software which resides on the NOX Asset Tracking Appliance with an API set designed for those who want access to the software for custom integration and development. The software manages the RFID components of the system, including the readers, touchscreens, cameras, tag printers, pack stations, and palletizers. Output for customized reports is produced in .csv format, and the API set allows for further application development. Purchase of the NOX ATA satisfies the requirement to use this software in a system. Purchase of the software separately is optional for custom development purposes only. One software license covers an enterprise development for a single end user. Each end user enterprise must have one server license, either through the NOX ATA or the custom server software. Products developed for end users using the NOX Core Server software must have the NOX Core Server installed at the end user site and require a license fee.

NOX Core Process License

In addition to the NOX Core Server license (which is satisfied either through the NOX ATA or the NOX Core custom server), each software process requires a Process License. The processes are NOX Pack, NOX Conveyor, NOX WIP, NOX Vault, NOX WMS, NOX CICO. Depending on the configuration of the system, each process used requires one process license per enterprise.

NOX Core Zone License

Each coverage zone requires a Zone license. See the definition of a zone in the introductory section "What is NOX?"

NOX Tag Printer License

Each RFID Printer connected to a NOX server requires a NOX Tag Printer license.

Section IV. Services Overview

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- E. Support Contracts

Site Prep

Every customer has a different network configuration, building layout, and physical system configuration. RFID components of varying types have multiple methods of meeting system requirements which must be measured and analyzed by an expert trained in RFID performance. TransTech Systems or a trained dealer must physically assess each installation site to ensure proper function of SimplyRFID systems in the environment.

Customization

SimplyRFID's systems work on a plug-and-play basis and do not need to be customized, but there are situations where you may want them to be specially configured. For example, you may want specialized reports that are not available from our standard set. NOX provides output in a .csv file that imports to a Microsoft Excel® spreadsheet. Additional customization can be completed by the customer or you as the integrator through Microsoft Excel®, or you can use our customization services on a per-hour basis for integration into your accounting or ERP systems. We also offer customization and integration services through our reseller network.

Installation

Professional installation is required for a complex RFID system. These systems provide impeccable performance, but only when they have been connected, integrated, calibrated, and tested according to specifications. We offer installation through our reseller network or directly from our home office in Virginia.

User Training

At the time of installation, we offer "train the trainer" and administrator on-site training for up to four people. To ensure proper operation of the system, this training is a required part of the system installation. We will also provide user documentation and administrator website access for follow-on training. Additional user training can be purchased on a per-day basis from our home office or our reseller network.

Support Contracts

Help and access to technical problem-solvers is available by telephone, e-mail, or chat. Annual support contracts are available to keep your system operating at all times. Our goal is legendary customer support in everything we do, so we price the first year of hardware and technical support directly into our products as Premier Support. We think it is important you get your items deployed easily, quickly, and have someone ready to help you immediately.

IT Asset Management Doesn't Have to Be War!

Don't tell the CFO, but taking inventory in a data center can be like painting a battleship – by the time you paint both sides, corrosion of the information forces you to start all over again.



Tagging your assets with RFID tags from SimplyRFID gets your data center started on the path to quick and easy virtual inventory in seconds. For less than \$1 per tag, you can update your asset tracking system with the most current, relevant, and immediate location information about your equipment. Fast, accurate, on-demand inventory is easy with NOX Vault Handheld RFID from SimplyRFID. If surveillance is important for your facility, you can add cameras too!

- Reduce inventory losses to 0.2%.
- Know what is where and when it was moved.
- Know who moved it, and where it went.
- Know what you have, and how to find it.

What's the point of surviving a software audit if you can't find the machine with the software on it?

Learn how data centers everywhere are battling information corrosion with the instant inventory capability of handheld RFID.

Get your program started for less than \$1 per tag!

SIMPLYRFID

