

# RFID Inventory Solutions

HARDWARE - SOFTWARE - TAGGING - CONSULTING



Be Ready!

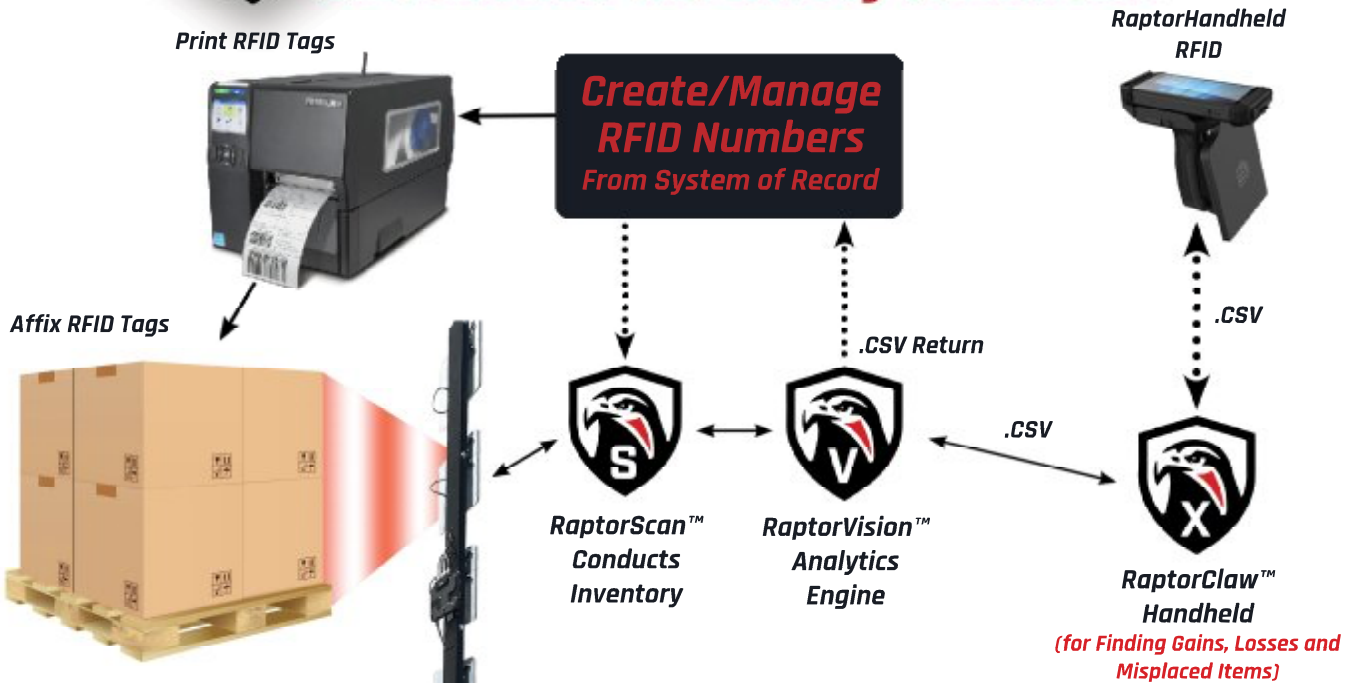




# RaptorArray

## Pallet Inventory Solution

### Warehouse Inventory Workflow



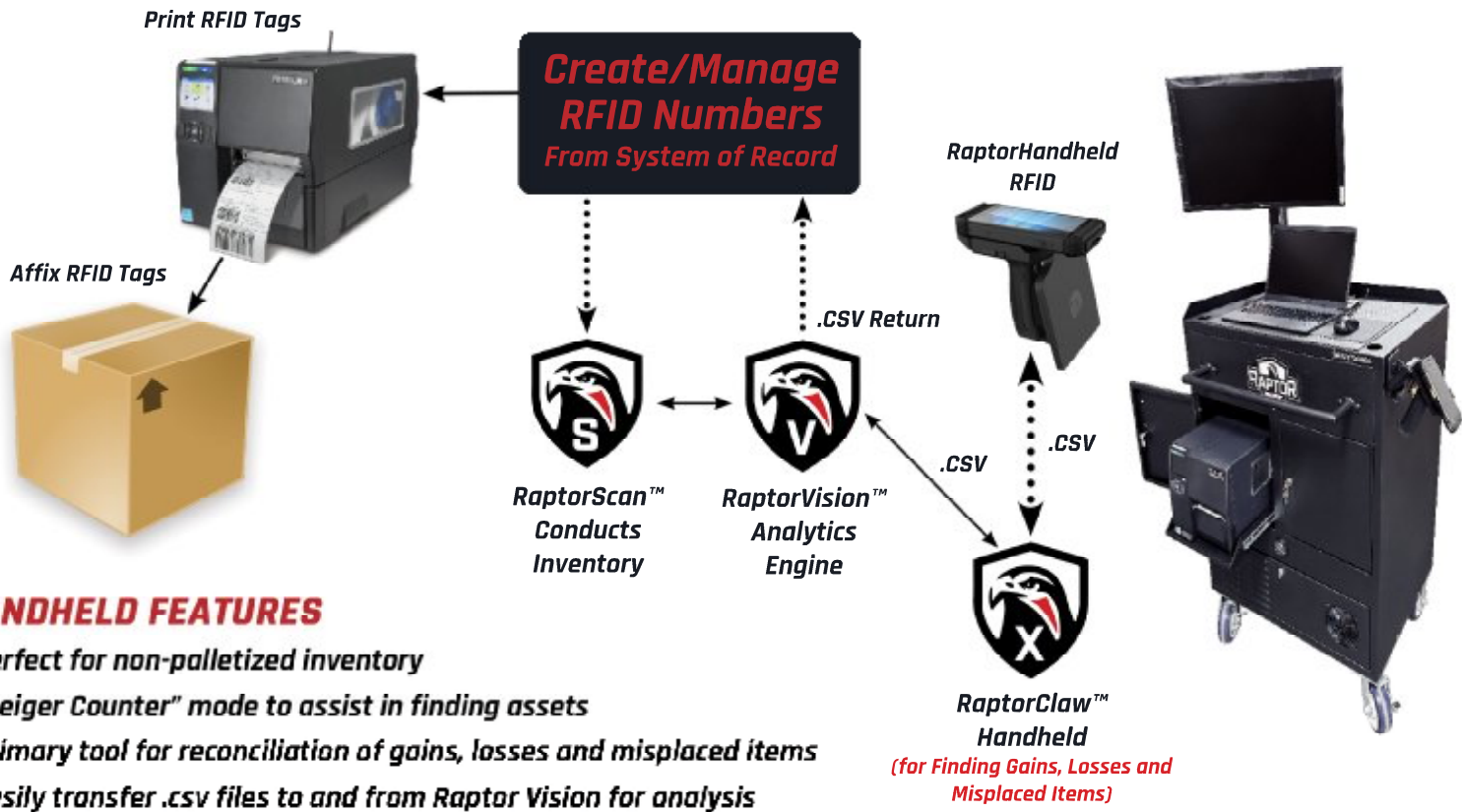
#### The RaptorArray Mobile RFID Cart

- **The RaptorArray** is a powered mobile workstation cart with motorized Raptor-Glide casters to propel the cart through a palletized warehouse using a touch sensitive handle
- **The RaptorArray Cart includes** a laptop, monitor, printer, router, docking station, handheld RFID scanner, and an antenna array with readers and RFID antennas
- **Performs Inventory** by moving down the aisles of the warehouse pallet racks. It uses most probable location of assets by gathering telemetry data as it moves down the aisles reading the activated RFID tags
- **"Open" Architecture** uses XLS files to exchange data to and from the Supply Chain Software
- Once the initial scan is completed, the **handheld scanner** is used to reconcile the Gains, Losses and Misplaced Items
- Finally, the updated and reconciled inventory is imported back into the **Supply Chain Software**

# RaptorHandheld

## Bulk Inventory Solution

### Raptor RFID Bulk Inventory Workflow



#### HANDHELD FEATURES

- Perfect for non-palletized inventory
- "Geiger Counter" mode to assist in finding assets
- Primary tool for reconciliation of gains, losses and misplaced items
- Easily transfer .csv files to and from Raptor Vision for analysis



#### Raptor Handheld w/Scanning UHF Cradle & UHF RFID

The 6-inch display has 720 x 1440 resolution and supports running Microsoft® Windows® 10 IoT Enterprise OS. UHF RFID reader can reach 30 feet with the trigger grip antenna.

- Includes 1 Year License for Raptor Suite of Software Applications - RaptorClaw, RaptorScan and RaptorVision. Longer term licenses are available.
- Common Access Card (CAC Reader), IP65 Rated, MIL-STD-810G provides secure and reliable operation in harsh, mission-critical environments.



# RaptorHardware

## Powered RFID Systems

### RaptorArray Powered Mobile Cart RaptorArray-12V Powered RFID System

- Purpose built - Raptor Cart with RaptorGlide Powered Caster System w/sensor handle and battery pack
- Modular Antenna Array - 6' Sections up to 18' that holds readers and RFID antennas
- Includes RaptorRFID 2-in-1 Rugged Tablet with built in UHF RFID Scanner. Microsoft® Windows® 10 IoT Enterprise OS
- Includes License for Raptor Suite of Software Applications - RaptorScan, RaptorVision, and RaptorClaw
- Includes Implementation and Online Training Services plus NRE Costs

Multiple configurations  
quoted separately

Uses



RaptorScan™

Part: RAP-HW-CART001



Part: RAP-HW-DTTAB001



Part: RAP-HW-DTHH001



### Raptor 2-in-1 Tablet/Handheld

Super durable and customizable to meet the following government durability and security standards

- + Entire solution is TAA Compliant
- + Built-in Smart Card / CAC-card (Common access card) Full-slot Reader (for multiple security level control)
- + HERO Certified - Hazard of Electromagnetic Radiation to Ordinance
- + MIL-STD-810G Certified - Vibration and Shock Resistant; Altitude Tested Storage & Operation
- + IP65 Rated - Water & Dust Resistant
- + C102 Certification - Class 1 Division 2 Certified to operate safely in hazardous areas
- + NIST (National Institute of Standards & Technology) Compliant
- + Advanced data security (5220.22-M, USA-AF AFSSI 5020, USA Navy NAVSO P-5239-26, NSA Manual 130-2, USA-Army 380-19 NISPOMSUP Chap 8, Sect. 8-501 and NSA Manual 9-12 Standards)

Part: RAP-HW-SCAN-TSC001



### RFID PRINTERS

Multiple RFID printers, models, and manufacturers are available for printing on various substrates

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# RaptorServices

## Raptor Software Suite

### Tagging & Labor Services

Part of our comprehensive services include FULL tagging and consulting services

*Raptor RFID has detailed domain knowledge and knows how to properly inventory incoming assets as well as tagging all types of fixed and inventory assets. Here are our services.*

- Site Assessment
- Hardware Implementation and Testing
- Establish Incoming Receiving Department workflow to ensure new items are tagged correctly
- Print RFID Tags and determining the type of tags and location for optimal reads
- Perform Inventory and Reconciliation and perform root cause analysis for Gains, Losses and Misplaced Items
- Conduct multiple inventory cycles to achieve 100% Accurate Inventory
- Provide Metrics and Reports on quality of Tag Reads and what caused Inventory Induced Errors

### Raptor RFID Software Suite

The Raptor Software Suite uses CSV files to exchange data between the system of record



**RaptorScan** is the primary inventory control scan application used by the RaptorArray Cart



**RaptorVision** is an application used for reporting and analytics

*Analyze Inventory Discrepancies (using RaptorVision)*

- Main Analytis Engine Used to Evaluate inventory discrepancies
- Potential Gains: Add RFID tags and lactions not included in original inventory count sheet
- Misplaced Items: Identify Misplaced items and their Location
- Potential Loss: Identify Potential Losses from the original inventory count sheet



**RaptorClaw** is used to exchange data between the Raptor suite of products and Handheld unit

- Additional Tool to resolve Potential Gains, Misplaced Items and Potential Losses



# RaptorGlide™

## Motor-Assisted Push Cart

Powered smart casters change what is possible by making immense loads feel effortless

### POWERED SMART WHEELS

- *Sensors intelligently activate the motorized wheels to respond to your command*
- *Allows for forward or backward movement*
- *Automatic braking upon release of control*
- *Calibrated torque acceleration and deceleration on slopes*
- *Can handle loads up to 1800 lbs.*
- *Non-Marking polyurethane tread*

Made in the USA



### ADVANCED FEATURES

- *3 Speed options (2,3,4mph)*
- *Quick Release Caster Harness*
- *GeoMapping (Bluetooth Integration)*
- *Load-Cell Weight Calculation*
- *Auto-Track Technology*

### SPECS:

▪ Battery	12V/35Ah (2 EA)
▪ Usage Time	10 hours
▪ Adaptor	29V/2A
▪ Operating Temp	-10°C - +40°C
▪ Motor Power	200W
▪ Load Capacity	1800 lbs.
▪ Brake Electric Current	2A
▪ Motor Wheel Diameter	180mm

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# RaptorGlide™

## Motor-Assisted Push Cart

### Raptor RFID Motorized Carts

#### Warehouse Mobility Solutions

RaptorGlide™ "Touch and Go" technology adds push-assist motorized control to all your material handling equipment. The RaptorGlide™ System integrates seamlessly making moving heavy loads up to 1800 lbs. effortless.

### The RaptorGlide™ System

Consisting of three core components - Wheels, Power Source and Controls - the RaptorGlide™ System is built to your custom requirements for seamless integration.



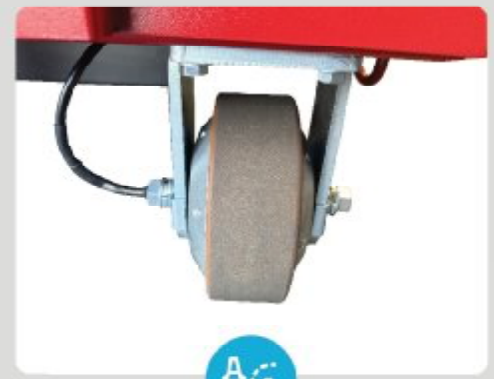
#### INCREASED MOBILITY

RaptorGlide™ powered casters reduce the need for manual labor and increases efficiency.



#### IMPROVED SAFETY

Reduce the risk of injury by eliminating the need to manually move heavy loads.



#### ENHANCED CONTROL

Precise movement and positioning make navigating tight spaces and avoiding obstacles easy.



## What can Raptor RFID do for you?

- Streamline warehouse to improve manpower shortfalls
- Improve receipt & issuing of assets
- Eliminate backlogs during heavy ordering times
- Inventory vigilance to improve readiness
- Reduce the amount of time it takes to run inventory
- Compliance to DoD regulations for RFID processing
- Improve asset tracking throughout the supply chain

### 100% Accurate Inventory

Raptor RFID Systems, Inc. uses Radio Frequency Identification (RFID) to conduct inventory. This means that warehouse personnel can easily track inventory levels, locations, and movements within a warehouse. With this information readily available, it becomes easier to monitor and manage inventory levels, plan for restocking, and reduce the risk of stockouts.

### Improved Efficiency

Raptor RFID Systems can significantly improve the efficiency of warehouse inventory management. With accurate inventory tracking, personnel can quickly locate and retrieve items, reducing the time and labor required for manual inventory searches. Raptor RFID technology reduces the time it takes to run inventory by over 90%!

### Reduced Errors

Manual inventory management processes are prone to errors, such as miscounts and misplaced items. With Raptor RFID Systems technology, DoD personnel can eliminate these errors by relying on analytics to resolve inventory discrepancies. This can help reduce the risk of lost or damaged items, as well as improve the accuracy of inventory counts.

### Cost Avoidance

By improving inventory management efficiency and accuracy, Raptor RFID Systems can help the DoD save costs associated with excess inventory, stockouts, manual labor, and shrinkage. Raptor RFID Systems technology can also help reduce the risk of lost or damaged inventory, further reducing costs.

The Raptor RFID Systems, Inc. solutions transforms warehouse inventory management for the DoD - improving efficiency, accuracy, and security, while also reducing costs. By implementing this technology, the DoD can better manage its inventory, ensuring that it has the right items in the right place at the right time. "Be Ready!"

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