

# The NeWave® Smart Inventory Management System

Take Your Management of Supplies Inventory to the Next Level

## Summary

The NeWave Smart Inventory Management System (SIMS) is a patented, wireless, real-time, internet based, inventory management system designed to automatically monitor the usage of a broad variety of supply products, parts or components and devices. SIMS greatly advances the monitoring, reordering and replenishment of inventory in accordance with actual user needs and virtually eliminates human error. This new inventory system provides real-time, remote visibility of the on-hand status of thousands of parts and supplies and SIMS uniquely does not require an RFID tag on each specific part or product. The SIMS system has been thoroughly tested in real-world medical clinics and has proven to be 99%+ accurate. SIMS inventories can be monitored wirelessly by any interested and authorized party with as little as a smart phone.

The simplicity of SIMS makes it incredibly effective, very easy to install and quickly becomes fully operational. A medical supply application, for example, utilized bins to house medical products. SIMS



monitored the state of the inventory with nearly 100% accuracy as well as the location of all commonly used clinical items. The bins were divided in half, forming "primary" and "safety" stock sides, both sides of the bin being tagged so that as the primary supply of an item is depleted, the bin had to simply be reversed on the shelf to expose the safety stock tag to our patented Wave® Antenna. SIMS alerted all interested parties to this bin reversal thus reporting which of the two possible positions each product bin is in (Primary or Safety) and the change data is consolidated on the SIMS software allowing inventory to be efficiently replenished in a timely manner avoiding both out of stocks and over-inventorying items. Connected to a web-based portal, SIMS is

Product Name	Safety Bin Status	Last
Aid Plus Tensor Bandage 2"	Primary	11/10
Aid Plus Tensor Bandage 4"	Primary	08/10
Aid Plus Tensor Bandage 6"	Primary	08/10
Alcohol prep pads	Primary	11/10
Autoclave pouch 3.25 x 6.25"	Primary	11/10
Autoclave pouch 3.25 x 6.25"	Safety	11/10
Autoclave pouch 3.5 x 9"	Primary	11/10



instantaneously providing both the health care facility and their medical products supplier, real-time visibility and continual updates of the stock position of each inventoried item.

NeWave's Smart Inventory Management System has been thoroughly tested in the real-world and proven to generate outstanding results including elimination of out of stocks, overstocks, and rush orders. Thus, it is a simple and highly manageable system to incorporate into any industry's supply inventory operation.

## How does the NeWave SIMS benefit you?

The NeWave SIMS can:

- Lower overall inventory stock levels by managing / monitoring actual usage rates and right-sizing inventory to precisely match business needs
- Reduce waste. SIMS can support the most common inventory accounting models to manage stock with mixed expiry or obsolescence dates
- Reduce/eliminate manual counts
- Reduce inventory-handling costs by right-sizing stock levels and limiting re-supply to an appropriate frequency based on true needs
- Reduce logistics costs – Eliminate frequent deliveries or the high cost of rush orders
- Improve asset utilization – Always know where the right item is at all times
- Reduce supply order time through nearly complete automation of the process

## The NeWave Smart Inventory Management System

- Technology that improves supplies management
- On premise and remote visibility
- Installs easily
- Simple and effective
- Utilizes the patented Wave antennas that provide advanced RFID accuracy



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## Specifications

Product /Part Number: NSS Smart Inventory Management System (SIMS)

Included for an 8 foot shelf section:

- 1 SIMS Network Appliance
- 1 SIMS software package
- 1 NeWave UHF RFID reader
- 4 NeWave seven foot antennas and cables
- 8 SIMS shelf pads
- 8 SIMS RF shields

Plastic product bins, chrome shelf units, and bin RFID tags can be supplied by NeWave or its authorized partners.

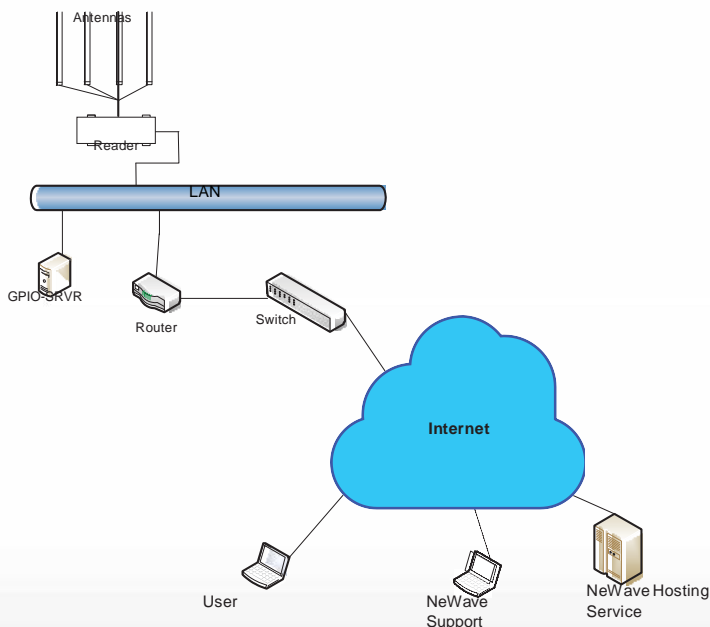
## About NeWave®\* Sensor Solutions,LLC:

NeWave® Sensor Solutions is a leading provider of optimized solutions for today's most challenging item-level Radio Frequency Identification (RFID) problems. The company develops industry- standard RFID technology based on the patented Wave® antenna that sets a new standard for accuracy, versatility and efficiency.

NeWave's core technology was developed by the world-class ElectroScience Laboratory (ESL) of The Ohio State University, a pioneer in RF research and development, under the direction of NeWave's Chief Technical Officer (CTO) and is produced in partnership with Wistron NeWeb (WNC), the Taiwan-based global leader in antenna manufacturing.

NeWave's management team leverages a strong technical and international heritage in a variety of industries for accomplishing its missions of providing optimized solutions to today's greatest RFID challenges. For more information, please visit us at [www.newaverfid.com](http://www.newaverfid.com). \*NeWave and Wave® are registered trademarks of NeWave Sensor Solutions, LLC Plain City, Ohio USA

## System illustration



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