sameva
Progressive Business Solutions

Advance Shipping Notice (ASN)

Company profile
The company is a leading manufacturer and a major supplier of various components required by DoD.

Business situation
There was a challenge to find a cost-effective solution that works within their existing facility, that would stringently comply with the requirements from DoD whereby all future orders based on compliance.

Solution
Sameva along with its RFID technology partner proposed a RFID Compliant Slap N' Ship solution that has the ability to verify that tags are active and not damaged during application, prior to shipment. This was a purely a scalable RFID Solution for future internal benefits as desired.

The Advance Shipment Notice (ASN) transaction enables the sender to relate the passive RFID tag ID at various levels of detail to the contents and configuration of a shipment. The tag ID is written to the tag in binary format. However, within the ASN, you must provide the ID of every RFID tag in a shipment and must represent this passive tag ID in a hexadecimal format. Typically, the hexadecimal format is the format used by passive RFID software in printers and readers thus the binary to hexadecimal translation process should be done automatically by the software.

Shipping labels are printed on an adhesive label with an RFID tag embedded inside (referred to as a Smart label). The tag is commissioned with an EPC (Electronic Product Code) conforming to EPCglobal standards and placed on the case/pallet to be shipped to the retailer. Embedded in the EPC code is the actual serialized GTIN (Global Trade Item Number) or SSCC (Serial Shipping Container Code) number based on the Tag type. The tagged products then pass through a portal to verify that the tag is valid and recognized. Notification via stack lights confirms to the operator that the tag(s) is/are valid and is ready for shipment. Once the shipment pallet is ready, the ASN is generated and comes up for manual verification and then sent electronically.

Having a solution with a verification component was essential to this supplier's needs. Verifying that the tags are valid before they are shipped to the retailer confirms that the pallets should be 'read' accurately when received at the distribution center or warehouse. Without confirmation, shipping cases/pallets could potentially be returned or penalties could be incurred due to bad RFID reads.

Benefits
- Successfully met DoD compliance requirements.
- Cost-effective solution.
- Verification of tags to reduce returns and penalties