Radio Frequency Module

WHAT IS RADIO FREQUENCY?

Radio Frequency (RF) is the use of radio signals to communicate real-time data from the warehouse floor to the WMS database and back to the floor. This expedites processing in the warehouse. Scanners collect the data and transmit it via radio frequency to antennas located throughout the warehouse. From the antennas, the signal proceeds to an access point that communicates with the warehouse management system. This process reduces paper, data entry time delays, cycle count processing, out of stock quantities, typing errors, and misshipments.

Accuplus® Radio Frequency (RF)

With the Accuplus RF module, warehouse personnel receive, put away, pick, count, and move inventory using a hand-held or forklift-mounted RF unit. Because the RF unit communicates with the system server, Accuplus makes decisions using up-to-the-second information, allowing you to navigate the maze of warehouse operations as effectively as possible. With real-time order picking, RF reassures proper rotation of date-sensitive items.

Your system can be configured to scan product labels supplied by the manufacturer and produce labels (with the use of the Bar Code Labeling Module). This assists you in handling that product while in your care. When you relocate product within your warehouse, your system is instantly updated--lag time between the physical movement of the product and the update to the system is removed, thus reducing errors and allowing for "real-time" adjustments. With this level of data communication, Accuplus RF allows for cross docking of products that don't stay in the warehouse for more than a few hours.

RF equipment reduces the time required for inventory counts to a minimum. Whether you are doing full physical inventory or cycle counting, data collection is a snap--no more errors due to unclear handwriting and numeric transposition. Accuplus immediately verifies the information provided and alerts the operator of discrepancies. System-assisted and full blind counts can be performed along with a comprehensive updating method that adjusts the system to reflect your count. The system also keeps an audit trail of applied changes.

What Does Radio Frequency Allow You To Do?

Incoming order receipt verification on-line through RF:
- Have received product immediately available to fill orders.
- Receive full or mixed pallets, loose cartons, parcels, and packets.
- Minimize paperwork and key-entry of data at receiving.
- Identify and reconcile shortages and damaged product in shipments immediately.
- Receive suggested put away locations.

Put-away option records product to specific location and verifies immediately:
- Eliminate paper recording by operator and manual key entry of data after the fact.
- With on-line verification of the transaction, eliminate associated errors of paper recording and manual key entry.
- Have inventory available immediately for order picking.

Directed, automatic replenishment of prime locations by specified criteria for batch picking operations (i.e., FIFO, LIFO batch/lot codes, and expiration/critical dates):
- Improve synchronization of replenishment and order picking.
- Reduce stock-outs and repacks.
- Reduce product scrap and losses.
- Track space utilization.

Verification on-line of batch & line item picking transactions:
- Eliminate incorrect picks by supporting scanning checks.
- Evaluate operator productivity and accuracy in picking.

- Have real-time inventory accuracy for primary pick locations and reserve inventory, and thus better inventory control and management.
- Pick to pallet, carton, ship, etc.
- Produce packing lists.

Recording and verification of all data entry and move transactions real-time, on-line, by operator, date, time, and equipment used:
- Automatically record data collection of labor productivity for evaluation and reporting.
- Automatically record audit trial data on specific move transactions, and have this available to reconcile errors and misplaced product.

Cycle counting and inventory:
- Improve and verify inventory accuracy as part of your day-to-day operation.
- Reduce the frequency of physical inventory counts.

Use of bar code scanning in conjunction with on-line data entry and verification:
- Significantly improve speed of data entry and reduce the number of errors associated with manual entry.
- Bar code both locations and product, and tie this into the scanning operation. Control inventory by scanning.
- Scan serial numbers and catch weights for out bound orders.

ADDITIONAL COMPLIMENTING MODULES:
- Bar Code Labeling – Customer-compliant bar code labeling support and printing.
- EDI – Messaging of pending shipments, receipts, shipping, acknowledgements, etc.
- LogiView – Web enabled services for access through the web.