



# What is RFID?

## **Benefits of RFID:**

1. Automated inventory counts
2. Receiving/Shipping verification
3. Prevent out of stocks for your customers
4. Theft prevention

## **How does RFID work:**

1. Passive RFID tags are used – passive tags do not send signals
2. Item information is stored on the RFID tag (product number, quantity, cost)
3. The RFID Tag is affixed to the case or pallet
4. Tags are only read when within 10 to 15 feet of RFID reader hardware
5. The reader sends a wave and reads the tag's information
6. Product movement/shipping information is stored
7. RFID readers provide 'traffic lights' to approve movement
8. Inventory is automatically updated as product ships

## **Everyday Uses of RFID:**

- Tollway: iPass or EZ-PASS
- Mobil Speedpass
- Airline Baggage Tags

## **Privacy and Health Concerns:**

Because the RFID tags only contain information directly related to the product that is tagged there are no concerns for privacy infringement. The waves that are transmitted from the readers are like that of a cordless phone in your home, using low frequencies and are not dangerous.

## **The Bottom Line:**

RFID is all about item visibility... The potential efficiencies created by this visibility are enormous. Because items are read passively, there is no need for manual scanning of the tags, therefore errors are also greatly reduced.