

PASSIVE UHF RFID TAGS

BARCODE LABELS

READ / SCAN

RFID tags do not require a direct line of sight to be read. RFID uses radio frequency, reading the chip by a hand held or stationary reader.

The barcode system requires close proximity line of sight between the barcodes and the optical laser reader.

DISTANCE

RFID readers can read Passive UHF RFID tags between 1 and 50+ feet.

A barcode needs to be scanned several inches to several feet away. The scanner needs line of sight to the barcode to scan.

READ / WRITE

RFID tags are read/write. You can encode information to the chip.

Barcodes are read only. You cannot change the information.

DATA

Data stored in an RFID tag's chip can be updated in real-time.

Barcode data is read-only and cannot be changed.

OBSTRUCTIONS

Metal and liquids can interfere with radio frequencies

Covered or obstructed barcodes cannot be read (torn/dirt).

LABOR / TIME

Fixed readers are automated. Hand held readers can "walk through" an area to read data.

Most barcode scanners require human operation and are labor intensive.