

RFID solution for warehouse inventory management

Use RFID technology for warehouse inventory management, can use UHF technology.

The whole system include five steps as below:

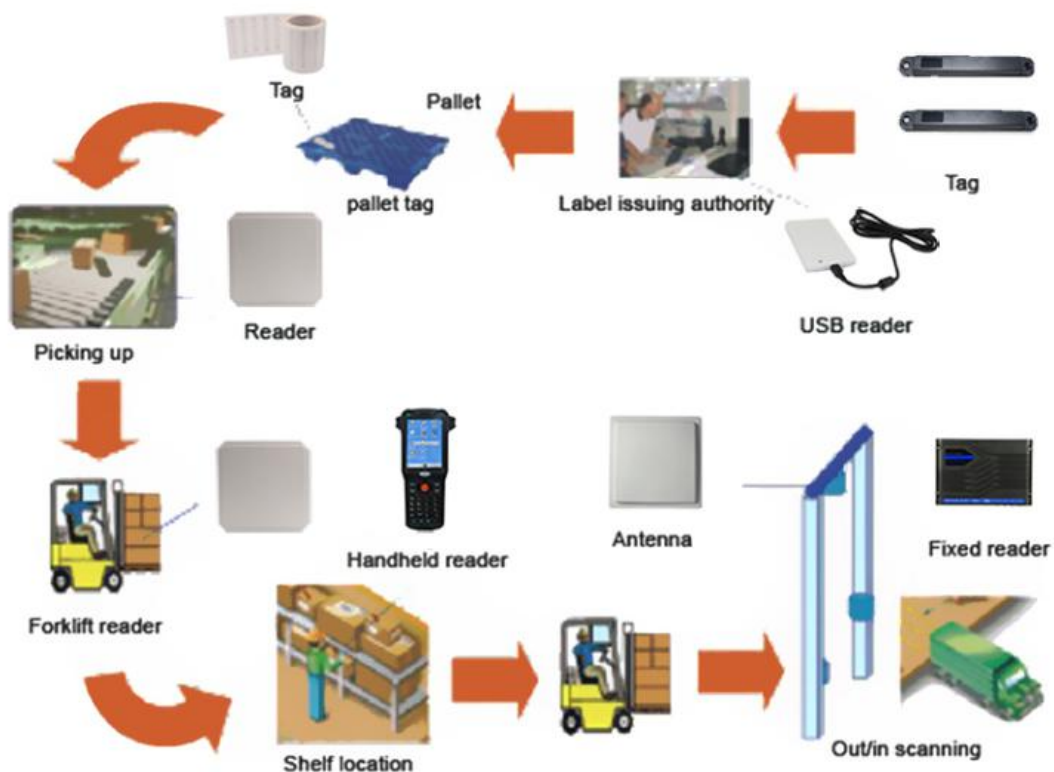
Step 1: use UHF USB desktop writer to program warehouse carton item information to tags, and also make authorization for tags.

Step 2: stick the tags on the cartons or pallets surface for metal carton, can use anti-metal tag, for plastic or paper carton, can use paper label.

Step 3: install UHF integrated reader on the packaging line or forklift side, when cartons come to reader location, tags can be read.

Step 4: use UHF handheld reader to check inventory on goods shelf.

Step 5; install UHF fixed reader connect with four antennas and install at the warehouse gate both side, when cartons pass the gate, tags can be read.



Follow are related products specification:

Product model & name	Product Picture	Product Specification
CF-RU6401 UHF Impinj R2000 fixed reader with four antenna ports		Design based on R2000 chip Frequency;865~868MHz (EU) 902~928MHz(US) Protocol:ISO18000-6B/6C (EPC GEN2) RF power:30dbm (adjustable) Work mode:active mode,answer mode,auto-running Read distance:0~20m (depends on antenna gain) Size:310*210*41mm Interface:RS232/WG26/RS485/TCP/IP/WiFi/POE
CF-RU6403 UHF R2000 fixed reader with four antenna ports		Design based on R2000 chip Frequency;865~868MHz (EU) 902~928MHz(US) Protocol:ISO18000-6B/6C (EPC GEN2) RF power:30dbm (adjustable) Work mode:active mode,answer mode Read distance:0~20m (depends on antenna gain) Size:270*180*27mm Interface:RS232/WG26/RS485/TCP/IP/WiFi/POE
CF-RU5102 UHF USB desktop reader writer		Frequency:860~960MHz Protocol:ISO18000-6C(EPC GEN2) Work mode:read/write Reading Range:1~20cm Interface:USB Size:104x68x10mm
CF-H902 RFID Android handheld reader		1.Operating system:Android 7.0 2.Memory:RAM 2Gb/ROM 16Gb 3.Screen:4.0inch/ 480*800 4.Battery:4500 mAh 5.Size:170×85×23mm 6.RFID:UHF,HF,LF,NFC,134.2K 7.Support:GPRS+WCDMA+WIFI+Bluetooth+GPS(optional)

CF-RA9002, UHF 9dbi circular antenna		Frequency:902-928MHz,865~868MHz Gain(dbi):9 Polarization:circular Connector:N-female Size:25.7*25.7*2.5cm
CF-RA1201,UHF 12dbi circular antenna		Frequency:902-928MHz,865~868MHz Gain(dbi):12 Polarization:circular Connector:N-female Size:45*45*4cm
G9811 UHF ABS anti-metal tag		Frequency:860~960MHz Chip type:Alien H3 Size:135mm*22mm*5mm Material:ABS
G9201 UHF paper label		Frequency:860~960MHz Chip type:Alien H3 Size:74*21mm,100*25mm (customized) Material:coated paper /PP synthetic paper optional)
G9508 RFID Flexible Textile laundry tag		Chip:NXP Ucode 7 Material:Flexible Textile Size:70X15X1.45mm Working temperature: 85 degrees @ 60 minutes 120 degrees @ 10 minutes 150 degrees @ 4 minutes 180 degrees @ 10 seconds