



JYL-T001

RFID Tunnel Inventory Machine

The JYL-T001 is a high-performance UHF RFID tunnel inventory machine compliant with the ISO 18000-6C (EPC C1 G2) protocol. It is designed for batch inbound/outbound reading in apparel warehouses, hotel linens, utility meters and similar operations. Equipped with an Impinj E910 reader, eight 12 dBi antennas, dual shielded roller-shutter doors and a 21.5-inch external capacitive touchscreen, it rapidly identifies up to hundreds of tagged items in a single pass — reducing labor, shortening cycle times and improving inventory accuracy.

Product Features

1. Top status indicator light reflects equipment working conditions in real time;
2. Function indicator lights for Standby, Running and Error states;
3. Emergency stop button quickly brakes the roller-shutter motor when required;
4. Low-noise high-speed motor for fast and quiet roller-shutter opening/closing;
5. Special shielded roller-shutter curtain prevents signal leakage and cross-reading of tags.

Product Specifications

Item	Specifications
Model	JYL-T001
Product Type	RFID Tunnel Inventory Machine
Identification Method	Radio Frequency Identification (UHF RFID)
Air Interface Protocol	ISO 18000-6C / EPC Global Class1 Gen2
Frequency Range	860MHz ~ 960MHz
Main Chip	Impinj E910
Read/Write Function	Multi-tag identification, tag data filtering, RSSI signal strength reading
Reading Performance	1–800 tags in 5–7 seconds
Screen	21.5-inch capacitive touchscreen (externally mounted)
Operating System	Android 11
Industrial Control Config.	RK3566, 4GB + 32GB
RFID Antenna	8 × 12 dBi antennas
Face Recognition	USB 2.0 RGB/IR lens dual camera
Scanner	Integrated barcode / QR code scanner
Roller Door / Motor	2 sets, one front and one rear
Roller Door Switch	2 sets, one internal and one external (emergency)
Enclosure Material	1.2 mm thick carbon steel plate
External Dimensions	1800(W) × 1664(D) × 2412(H) mm
Internal Dimensions	1500(W) × 1426(D) × 2119(H) mm
Development Support	SDK available; JAVA, C#
Input Power	AC 220V
Operating Temperature	0°C ~ 60°C
Operating Humidity	10% ~ 90% RH