



JYL-T245

RFID Tray-type Motor-driven Single Door Tunnel Machine

The JYL-T245 is an industrial-grade RFID acquisition tunnel, independently designed by JYL-Tech. It uses RFID technology combined with mechanical design, sensors, electromagnetic shielding, and automated control to eliminate tag miss-reading in supply chain operations. Integrated with WMS, it achieves automated SKU management, reduces labor costs, and greatly improves efficiency.

Product Features

1. High identification efficiency: reads 500+ pcs of tags within 3-5 seconds;
2. Professional antenna RF design eliminates dead angles and miss-reading;
3. Electromagnetic shielding prevents RF radiation; accuracy up to 100%;
4. Automatic single rolling shutter for automated identification, no manual intervention;
5. Imported or domestic RFID readers optional; secondary SDK development supported.

Product Specifications

Item	Specifications
Model	JYL-T245
Air Interface Protocol	EPC Global Class1 Gen2 / ISO 18000-6C
RFID Frequency	860MHz ~ 960MHz (optional per region)
Reader	Domestic E710 / Optional: Impinj R420, R700
Output Power	0 ~ 33 dBm
Tag Reading Capacity	E710: 200+ pcs / R420,R700: 500+ pcs
Reading Efficiency	3 ~ 5 seconds
Reading Mode	Motionless
Operating Mode	Interval / Continuous / External Trigger
Screen	15.6" Resistive Touch Screen
Programmable Controller	Domestic
Industrial Computer	J6412 / 8GB + 128G
Antenna	4 Groups of 12 dBi Antennas
Photoelectric Switch	1 Group
Opening Speed	2 seconds
Load Capacity	Unlimited
Efficiency	Manual
Overall Dimensions	1200(W) × 1300(D) × 2150(H) mm
Internal Dimensions	1000(W) × 1200(D) × 1950(H) mm
Max Passable Size	900(W) × 1000(D) × 1750(H) mm
Total Weight	About 600 KG
Operating Temperature	-20°C ~ 60°C
Operating Humidity	20% ~ 95% (non-condensing)
Voltage / Power	220VAC (±10%) / 500W
Enclosure Material	Spray-paint Carbon Steel
Shielding Performance	10 ~ 30 CM