

CK-TP5A

UHF RFID INVENTORY TUNNEL GATE



The CK-TP5A revolutionizes warehouse operations with its 8-channel Impinj R2000 RFID system, achieving 98.7% accuracy in scanning 800+ tags per minute. This 2400mm-wide industrial tunnel gate features intelligent PLC-controlled sliding doors that automatically isolate scanning zones, preventing signal interference from adjacent RFID tags.

- 21.5-inch colorful touch screen with 1920 x 1080 resolution
- RFID technology 840~960MHz optional, support protocol extension
- Multiple interfaces: RJ45, RS232, support wifi, 4G, alarm input etc
- Integrated audible and visual alarm, safety automatic rolling shutter door
- Support face recognition, space sensor, optional Windows / Android system
- Product appearance, function, protocols etc support customization

● Specification

Model	CK-TP5A
 RF SPECIFICATION	
Identification Method	UHF
RF Chip	Impinj R2000
Frequency Range	840MHz~960MHz adjustable
Protocol	EPC C1G2, ISO 18000-6B, ISO 18000-6C
Frequency Band (Optional)	ETSI: 865~868MHz, JP: 916.8~920.4MHz, TW: 922.25~927.75MHz, ID: 923.125~925.125MHz, RUS: 866.6~867.4 MHz, TEST: 802.75~998.75MHz, JP_LBT: 916.8~920.8MHz
Product Capacity	1000 pcs (according of item size)
Recognition Response	1-5 seconds
Function	RFID read function, Multiple label identification, Label data filtering, RSSI perception, Quantity statistics
 HARDWARE SPECIFICATION	
System Support	Windows / Android (optional)
Hardware	I5 CPU, 4G RAM, 128G ROM RK3399 CPU, 4GRAM, 16G ROM (optional)
Display	1920 x 1080, 21.5-inch, Capacitive touch screen
Communication	RJ45 / RS232
 FUNCTION SELECTION	
RFID Card Reader	Standard
Bar Code	Optional
QR Code	Optional
Fingerprint Recognition	Optional
Face Recognition	Optional

CCTV Camera	Optional
Solar Energy	Optional
Sound Light Alarm	Optional
Wireless Network	WiFi / 4G

BASIC SPECIFICATION

Material	Carbon steel plate, Glass
Power Supply	AC 110-220V 50Hz 50W
Working Humidity	10%RH~90%RH
Operat Temperature	0 °C ~ 60 °C
Size	168 x 180 x 245 cm

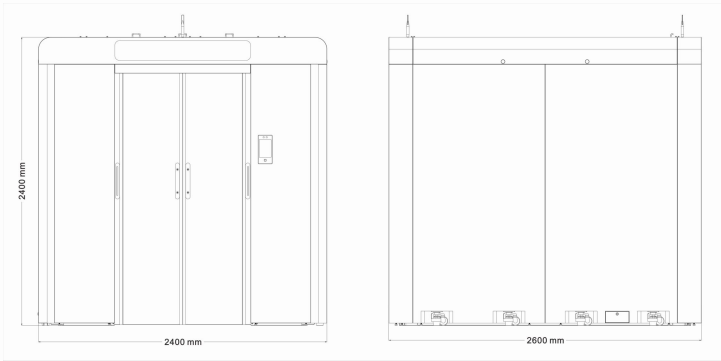
● Related Model

CK-TP1

● Common Solution

Smart Library, Archival Room, Tool Room, Supermarket, etc.

● Dimension



Unit : mm (inch)
Weight. : about 300kg

● Accessory

serial number	name	units	quantity
1	power supply	pcs	1



RFID IoT
Application



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