

CK-TP2D

COMPACT RFID TUNNEL READER



The CK-TP2D Compact RFID Tunnel Reader is an intelligent, mid-scale verification gateway engineered for semi-automated inventory management. It features an enclosed reading chamber with an automated roller shutter door that ensures complete RF containment, eliminating stray reads from nearby items. The infrared-activated conveyor seamlessly transports items into the shielded chamber for accurate batch RFID scanning, then returns them after verification. With its 14-inch touchscreen interface and dual OS support, it streamlines check-in/check-out processes, reduces operator fatigue, and enhances inventory accuracy for small to medium-sized cartons.

- 14-inch capacitive touch screen
- Multiple communication interfaces: RJ45, RS232, USB, alarm input etc
- Support multiple devices in parallel, conveyor speed 33-50cm/s
- The screen generates lists in real time for easy management, optional Windows/Android system

● Specification

Model	CK-TP2D
 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
RFID Item Reader	33dbm+-1dbm (Max)
Read Rate	3 seconds
RFID Item Reader	400+ pcs
Function	RFID read function, Multiple label identification, Label data filtering, Quantity statistics,
 HARDWARE SPECIFICATION	
System Support	Windows / Android (optional)
Hardware	I5 CPU, 4G RAM, 128G ROM RK3399 CPU, 4GRAM, 16G ROM (optional)
Display	10.1-inch capacitive touch screen
Communication	RJ45, RS232, USB
 FUNCTION SELECTION	
Sound Light Alarm	Standard
CCTV Camera	Optional
Wireless Network	WiFi / 4G

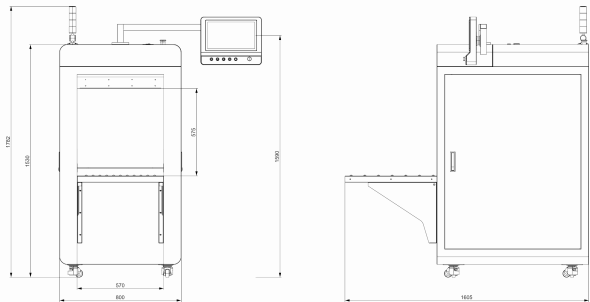
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● Related Model

● Common Solution

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

● Dimension



Unit : mm (inch)
Weight. : about 150
kg

● Accessory

serial number	name	units	quantity
1	power supply	pcs	1



RFID IoT Application



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