

## CK-TP2A

## RFID tunnel channel machine



The CK-TP2A RFID Tunnel Reader is an industrial-grade gateway solution engineered for high-speed, automated verification in warehouse and distribution centers. It seamlessly combines UHF RFID scanning, barcode reading, precision weighing, and automated sorting on a conveyor system. Capable of identifying over 400 items in just 3 seconds, it eliminates manual checking errors and dramatically accelerates inbound/outbound processes. The integrated control software provides real-time data validation and alerts, ensuring 100% shipping and receiving accuracy while slashing labor costs.

- 10.1-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-TP2A                                                                                                                                                 |
| <b>  RF SPECIFICATION</b>       |                                                                                                                                                         |
| 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,                                                           |
| <b>  HARDWARE SPECIFICATION</b> |                                                                                                                                                         |
| System Support                  | Windows / Android (optional)                                                                                                                            |
| Hardware                        | I5 CPU, 4G RAM, 128G ROM<br>RK3399 CPU, 4GRAM, 16G ROM (optional)                                                                                       |
| Display                         | 10.1-inch capacitive touch screen                                                                                                                       |
| Communication                   | RJ45, RS232, USB                                                                                                                                        |
| <b>  FUNCTION SELECTION</b>     |                                                                                                                                                         |
| Sound Light Alarm               | Standard                                                                                                                                                |
| CCTV Camera                     | Optional                                                                                                                                                |
| Wireless Network                | WiFi / 4G                                                                                                                                               |
|                                 |                                                                                                                                                         |
|                                 |                                                                                                                                                         |

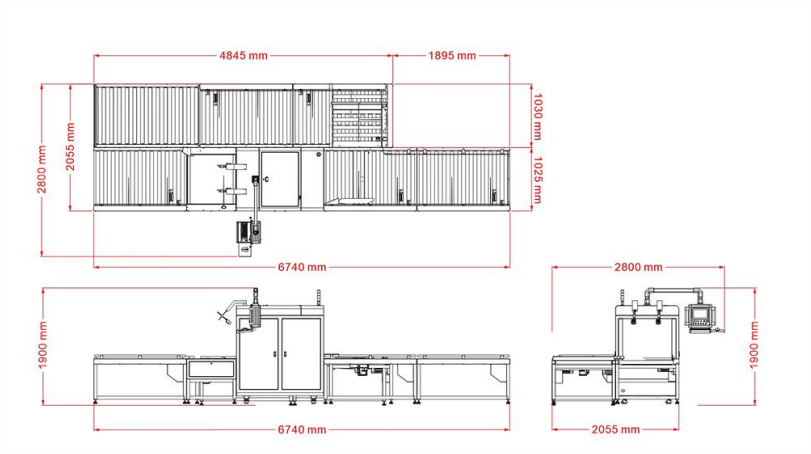
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● Related Model

● Common Solution

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

● Dimension



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

● Accessory

| serial number | name         | units | quantity |
|---------------|--------------|-------|----------|
| 1             | power supply | pcs   | 1        |
|               |              |       |          |
|               |              |       |          |



# RFID IoT Application



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