

## CK-GTC4D

## INDUSTRIAL RFID TOOL CART



The CK-GTC4D Industrial RFID Tool Cart revolutionizes tool management in high-stakes environments like aviation MRO and power plants. Featuring dual-antenna UHF RFID technology with Impinj R2000 chipsets, it delivers 300-tool inventories in 7 seconds - 10x faster than manual methods. Its 1.2mm carbon steel construction meets MIL-STD-810G standards, while the sunlight-readable 14" touchscreen operates flawlessly from -20°C to 60°C. Integrated predictive maintenance algorithms and real-time FOD alerts reduce tool-related incidents by 90% in field trials.

- 14-inch capacitive touch screen with 1080 × 800 resolution
- RFID technology 840~960MHz optional, support protocol extension
- Multiple interfaces: RJ45, wifi, 4G, alarm input etc
- Support Independent RFID record, optional Windows/Android system
- Saving manual inventory time and warehouse registration procedures, improve management and control efficiency, timely reminder of tool omissions to ensure safe use

## ● Specification

|                           |                                                                                                               |
|---------------------------|---------------------------------------------------------------------------------------------------------------|
| Model                     | CK-GTC4D                                                                                                      |
| <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                                                                          |
| Drawer Capacity           | 4 layers                                                                                                      |
| Product Capacity          | 300 pcs (according of item size)                                                                              |
| Communication             | RJ45 10/100Mbps                                                                                               |
| Material                  | Metal casing + glass panel                                                                                    |
| Function                  | RFID read function, Multiple label identification, Label data filtering, RSSI perception, Quantity statistics |

## **| HARDWARE SPECIFICATION**

|               |                                                                  |
|---------------|------------------------------------------------------------------|
| System        | Windows / Android (optional)                                     |
| Hardware      | I5 CPU, 4G RAM, 128G ROM / RK3399 CPU, 4GRAM, 16G ROM (optional) |
| Display       | 1280*800, 10.1-inch capacitive touch screen (optional)           |
| Communication | RJ45 10/100Mbps                                                  |

## **|FUNCTION SELECTION**

|                         |          |
|-------------------------|----------|
| RFID Card Reader        | Standard |
| Face Recognition        | Optional |
| Bar Code                | Optional |
| QR Code                 | Optional |
| Fingerprint Recognition | Optional |
| Sound Light Alarm       | Optional |

|                           |           |
|---------------------------|-----------|
| CCTV Camera               | Optional  |
| Solar Energy              | Optional  |
| Thermostatic Dehumidifier | 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               | 92 x 46x 126cm            |

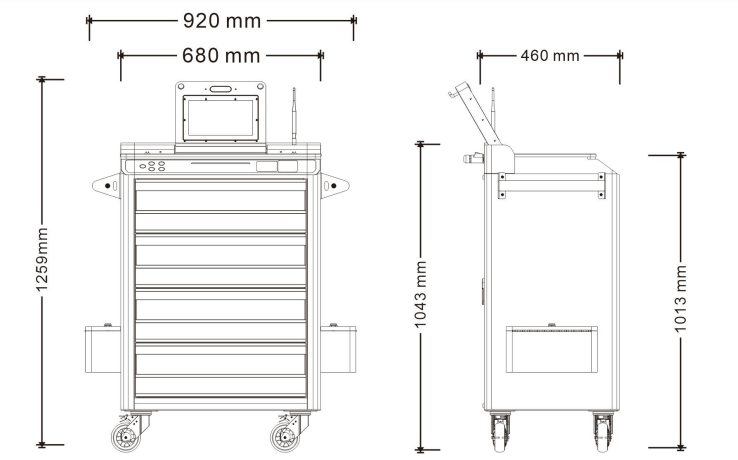
- Related Model

CK-GTC8

- Common Solution

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

- Dimension



Unit : mm (inch)  
Weight. : about 200kg

- Accessory

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



# RFID IoT Application



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### Headquarters

Cykeo Information Technology CO., LTD.  
16th floor, Building B2, Yunzhi Science Park, Guangming District,  
Shenzhen 518107, China

### Factory

Shenzhen, Dongguang, Hefei

### Subsidiary

Hefei Jianshen InformationTechnology Co.,  
LTD.  
Cykeo Information Technology(Shandong) Co., LTD.  
Cykeo Information Technology(Chengdu) Co., LTD.  
Cykeo Core Information Technology (Shanghai) Co., LTD.