

CK-GTC8

SMART TOOL CONTROL SYSTEM



The CK-GTC8 Smart Tool Control System represents a quantum leap in industrial asset management. Incorporating AI-enhanced UHF RFID technology with next-gen Impinj chipsets, this system achieves 300-tool verification in just 7 seconds - setting a new industry benchmark. The military-spec 1.5mm reinforced steel frame and 1500-nit sunlight-readable display ensure reliability in the harshest environments. Advanced features include predictive tool maintenance alerts and blockchain-based audit trails, reducing operational downtime by 95% in pilot installations.

- 10.1-inch capacitive touch screen with 1366 × 768 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-GTC8
 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
Drawer Capacity	8 layers
Product Capacity	300 pcs (according of item size)
Communication	RJ45 10/100Mbps
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	1366 x 768, 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

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	870 x 600x 1200mm

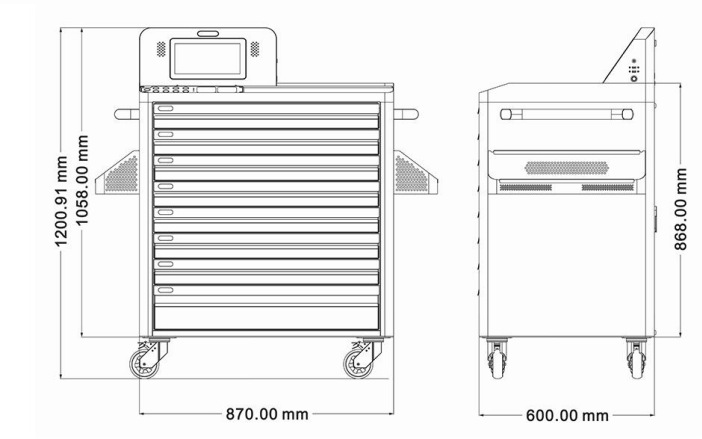
- Related Model

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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