

RFID Vertical Channel Access Control Specification



CK-T4P

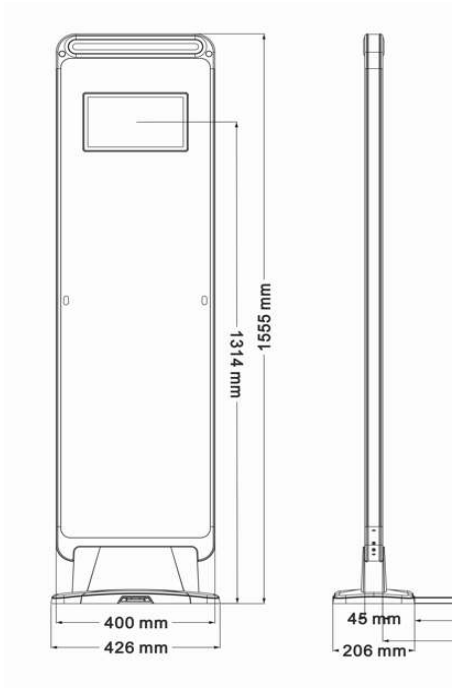
1. Specification parameters

Product Model	CK-T4/CK-T4P (with 10.1-inch industrial control all-in-one computer)
Screen size (CK-T4P)	10.1-inch capacitive touch screen, resolution 1280 * 800, screen ratio 16:10
Operating System (CK-T4P)	Windows/Android
Industrial Control Configuration (CK-T4P)	N29, 4G+64G/RK3399, 4G+32G
Operating Frequency	902.75-927.25MHz
Tag reading and writing	Batch Read/Batch Write
number of antennas	4 sets of narrow beam antennas, channel gate, channel direction antenna beam angle less than or equal to 45 °
Identify the number of tags	Electronic tags ≤ 100 (related to tag performance orientation, material and quantity of managed items, and speed of movement)
Read distance and range	$\geq 10\text{m}$ (adjustable), front and rear range $\leq 90\text{cm}$ (adjustable)
Trigger function	2 sets of infrared triggers, capable of determining entry and exit as well as access control triggering work
Trigger optional installation	Top mounted space sensor (the triggering range of the space sensor can be customized, and its function can trigger the work of the channel door in advance to improve the recognition rate of channel door labels)
Anti string reading	Support AI algorithms

Audible and visual alarm	Built in buzzer can control alarms, and built-in red and green color light strips can control light alarms
Channel door stability	Support channel door operation status reporting function, internal hardware component failures will be automatically reported;
Tag legality filtering	Supports up to 6 sets of EPC filtering rules;
Data disconnection and continuation of transmission	支持数据断网续传
data management	Supports synchronization with backend data, can store 3000-70000 pieces of data, supports data comparison and alarm, standard configuration: 3000 pieces of data storage control board/ optional: 70000 pieces of data storage control board
communication protocol	Can simultaneously support communication protocols such as TCP, HTTP, MQTT, etc
Cloud based management of access doors	Support MQTT protocol, users can achieve unified management of multi-channel doors in the cloud, monitor the operation status of access control, and remotely set channel door parameters.
Contact method	Ethernet communication/CK-4P can be optionally equipped with WiFi and 4G
Communication interface	RJ45 (WiFi optional)
Power supply requirements	DC220 50HZ
Installation distance	Standard configuration: Installation distance 1.2/ Optional: ≤ 3M

between left and right doors	(label performance orientation, material and quantity of managed items related) Explosion screw hidden installation
Expand options	Access control base (customizable according to distance)
Shell material	Aluminum profile frame, ABS
Overall dimensions	426mm (L) * 45mm (W)/Base width 206mm * 1555mm (H)
Operating Temperature	-20°C~60°C
Storage temperature	-40°C~70°C
Operating Humidity	25%~50%

2. Product size



FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception,

which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.
