
A200 UHF

Standalone Reader with
Access Control System



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Benefits:

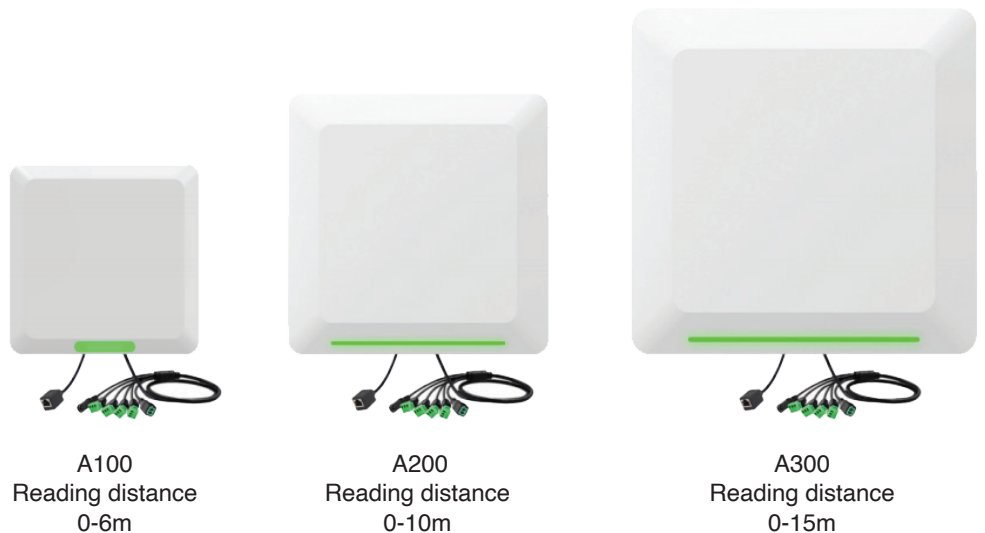
- Frequency: 902~928MHz(US) / 865~868MHz(EU)
- Protocol: ISO18000-6C(EPC GEN2)
- Built-in antenna: 9dbi antenna
- Standard Interface: RS232/WG/RELAY/RJ45
- Customizable interfaces: POE/WIFI
- Reading distance: 0~10M (depends on tag and work environment)
- Come with access control system software V1.0

Applications:

- Vehicle/ETC Parking
- Access Control
- Personal Tracking
- Livestock Management

Product overview

ACCESS series is UHF long range reader has built-in controller and comes with access control system. Reading distance up to 15m, widely used in parking lot management, personnel management, access control and other areas of control and management.



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Parameter

Model	A100	A200	A300
Frequency	902~928MHz (US)1865~868MHz (EU)		
Protocol	902~928MHz (US)1865~868MHz (EU)		
Built-in antenna	6dBiantenna	9dBiantenna	12dBiantenna
Operating mode	Active mode/trigger mode/answer mode		
Card reading instructions	LED light bar(normal red light,card reading green light) buzzer;can be controlled by external wires		
Whitelist function	100000Pcs@96bit		
RF power	Maximum 27dbm(adjustable)/33dbm optional		
Card reading distance	0~6 meters (depending on tag type and application environment)	0~10 meters (depending on tag type and application environment)	0~15 meters (depending on tag type and application environment)
Communication Interface	Standard interface:TCP/IP/WG/Relay/GPIO Optional interface:POE/WIFI Customizable interface:RS232/USB/RS485		
Operating Voltage	9-24V(With 12V 2A power adapter)		
Equipment material	ABS shell,IP65 protection grade		
Operating temperature	-10~+55°C		
Storage temperature	-20~+75°C		
Reader size	220*220*56.4mm	305*305*75mm	445*445*80mm

Connectors

1Power, 1RJ45, 1Relay output, 1GP0, 4 GPI, 1Wiegand input

Internal connector	Definition	External connector	Product image
Power	DC+	DC25	
	DC-		
Relay	NO	3PIN	
	NC		
	COM		
Wiegand	D0	3PIN	
	D1		
	GND		
GP	GPI1	3PIN	
	GND		
	GPI2		
GPI	GPI3	3PIN	
	GND		
	GPI4		
GPO	GPO1	2PIN	
	GND		



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Applications

Long distance vehicle access management
 Long distance access control management
 Long distance personnel access management



Method 1 Community parking lot



Use:
 RFDATA Access Reader
 UHF Card/Windshield Tag
 Parking lot barrier
 Retractable fixed column

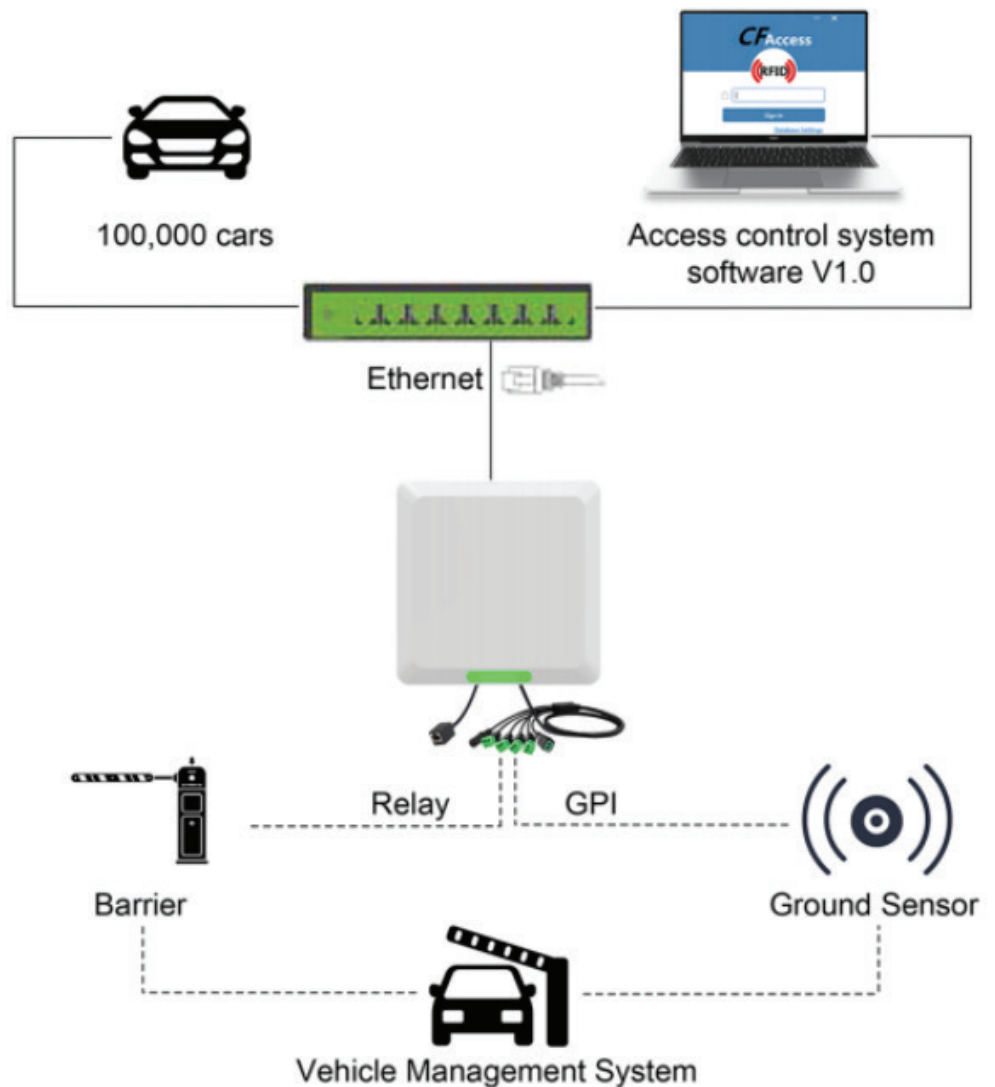
Method 2 Private garage car access management



Use:
 RFDATA Access Reader
 UHF Card/Windshield Tag
 Electric Automatic Door

Long distance vehicle access management

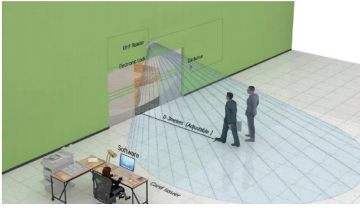
No need to contact/stop and swipe card



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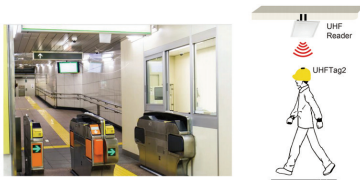
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Method 1 Long distance access control management



Use:
 RFDATA Access Reader
 UHF Card
 Door Switch
 Electronic Lock

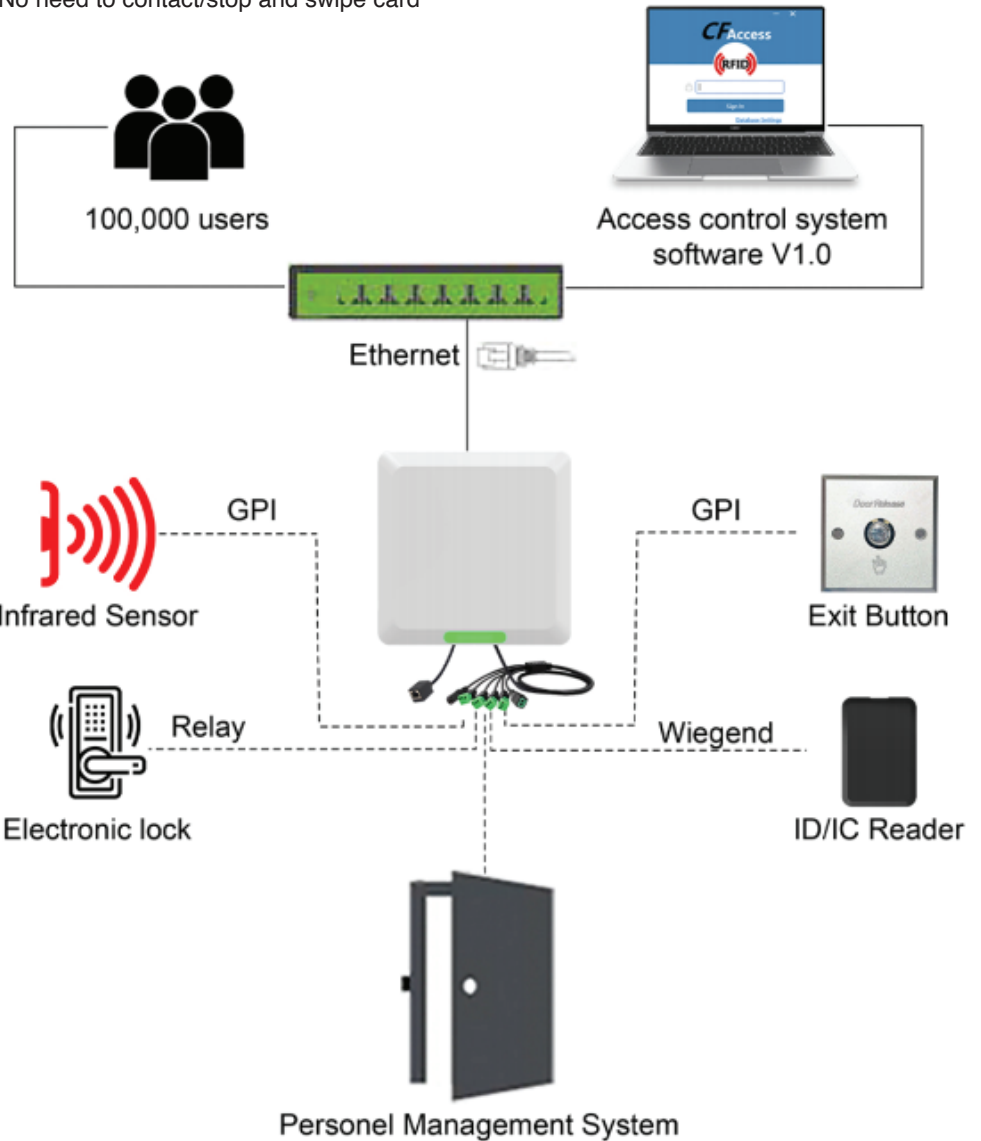
Method 2 Private garage car access management



Use:
 RFDATA Access Reader UHF
 Tag (stick on safety helmet)
 Pedestrian Access Bar

Long distance vehicle access management

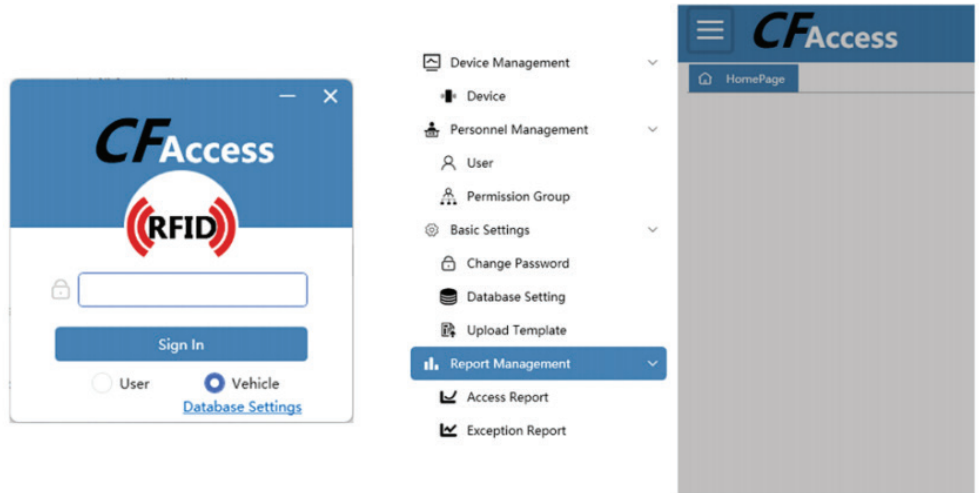
No need to contact/stop and swipe card



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CF Access Software System

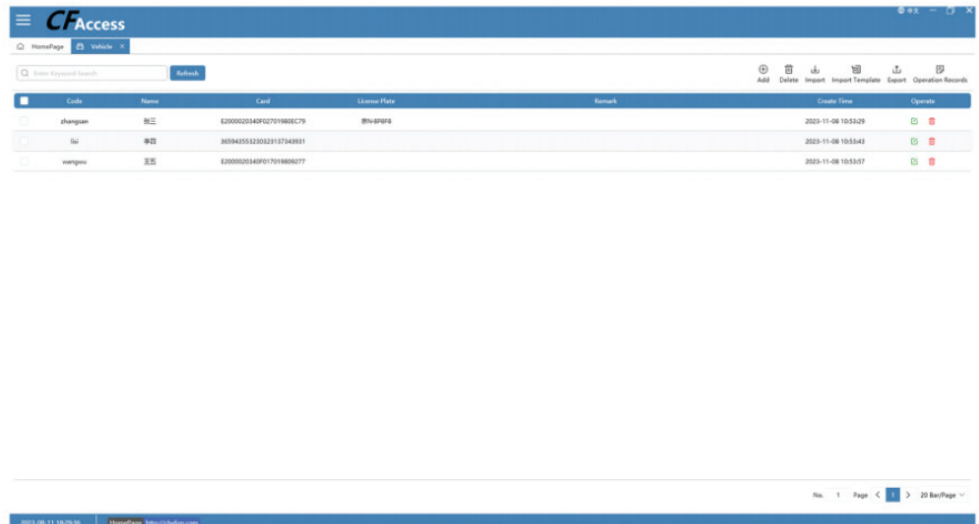


The image displays the CF Access software interface. On the left is a login window with the CF Access logo, an RFID icon, a password field, a 'Sign In' button, and radio buttons for 'User' and 'Vehicle'. Below the login window is a navigation menu with the following items:

- Device Management
 - Device
- Personnel Management
 - User
 - Permission Group
- Basic Settings
 - Change Password
 - Database Setting
 - Upload Template
- Report Management
 - Access Report
 - Exception Report

On the right is a sidebar for the 'CF Access' application, showing 'HomePage' as the active page.

Vehicle Management

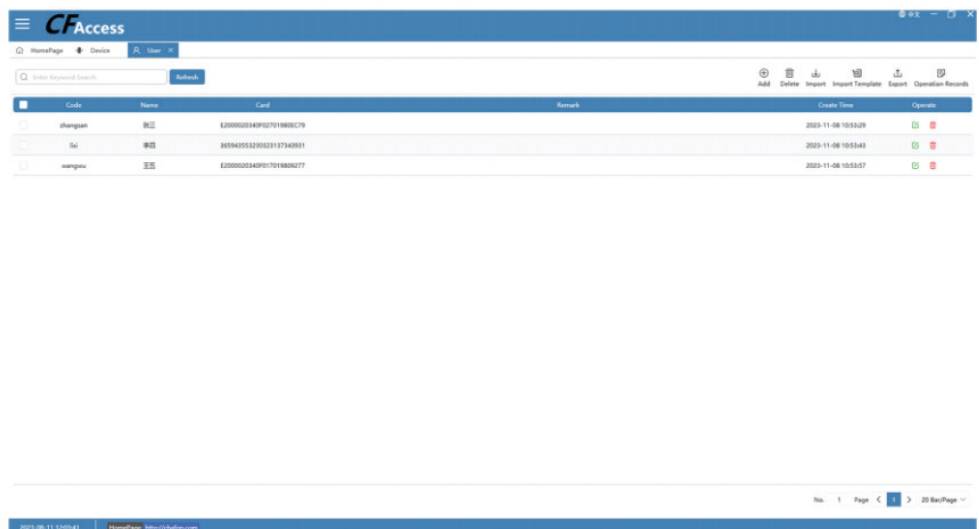


The screenshot shows the 'Vehicle Management' page in the CF Access software. It features a search bar and a table with the following data:

Code	Name	Card	License Plate	Remark	Create Time	Operate
zhangan	张安	E2000020348F02701988C79	沪N4P898		2020-11-08 10:53:29	+ -
li	李	8059425523202213743891			2020-11-08 10:53:43	+ -
wangwu	王武	E2000020348F01701988D77			2020-11-08 10:53:57	+ -

At the bottom of the page, there is a pagination control showing 'No. 1 Page < 1 > 20 Bar/Page'.

Personal Management



The screenshot shows the 'Personal Management' page in the CF Access software. It features a search bar and a table with the following data:

Code	Name	Card	Remark	Create Time	Operate
zhangan	张安	E2000020348F02701988C79		2020-11-08 10:53:29	+ -
li	李	8059425523202213743891		2020-11-08 10:53:43	+ -
wangwu	王武	E2000020348F01701988D77		2020-11-08 10:53:57	+ -

At the bottom of the page, there is a pagination control showing 'No. 1 Page < 1 > 20 Bar/Page'.



RF DATA SYSTEMS develop, manufacture, integrate and install high quality RFID solutions

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