# A200 UHF

Standalone Reader with
Access Control System

RF DATA SYSTEMS
LIMITED

# A200 UHF

## Standalone Reader with Access Control System

### 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
- Acess 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.

A100
Reading distance
0-6m

A200
Reading distance
0-10m

A300
Reading distance
0-15m

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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<br>Optional interface:POE/WIFI<br>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 | | |

# A200 UHF
## Standalone Reader with Access Control System

### Applications

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

### Method 1
### Community parking lot

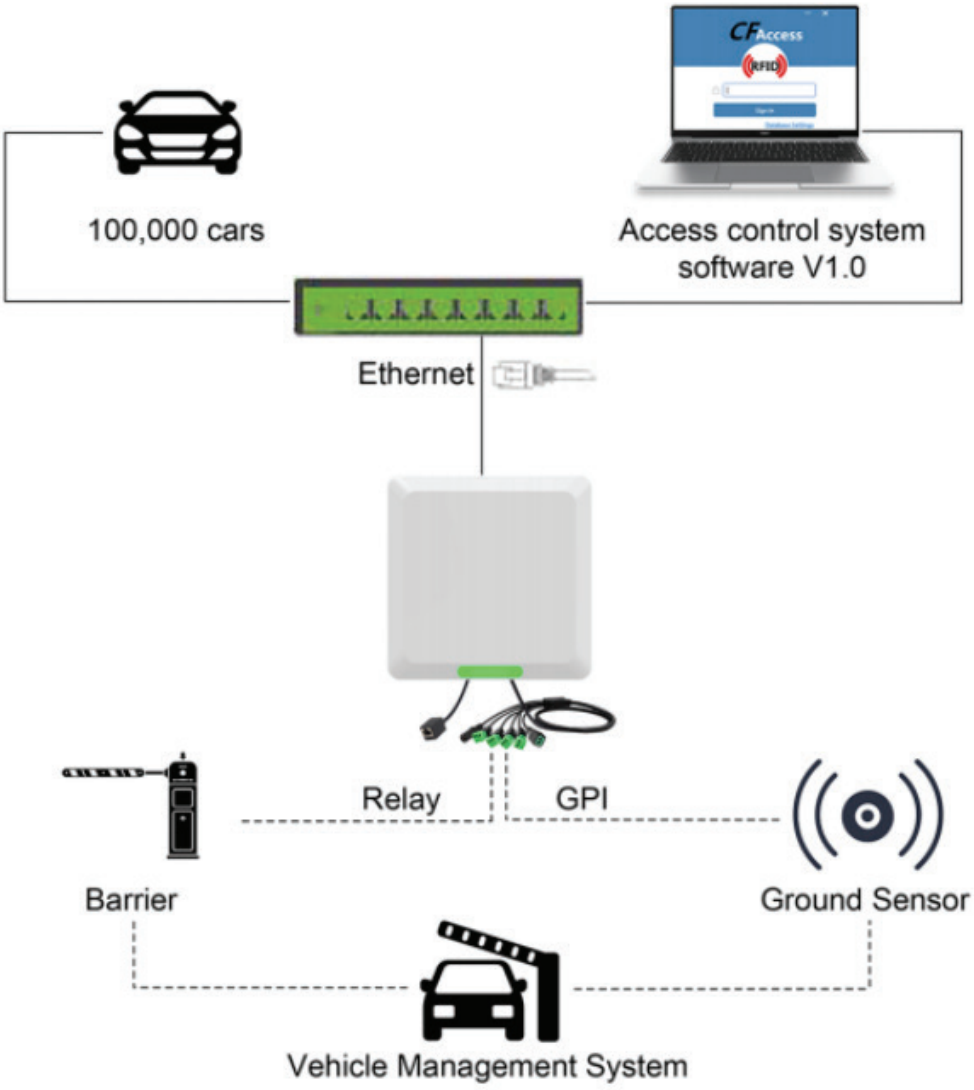
Use:
RFDATA Access Reader
UHF Card/Windshield Tag
Parking lot barrier
Retractable fixed column

### 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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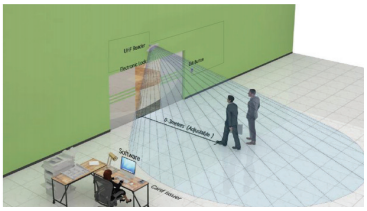
## Standalone Reader with Access Control System

### Method 1 Long distance access control management



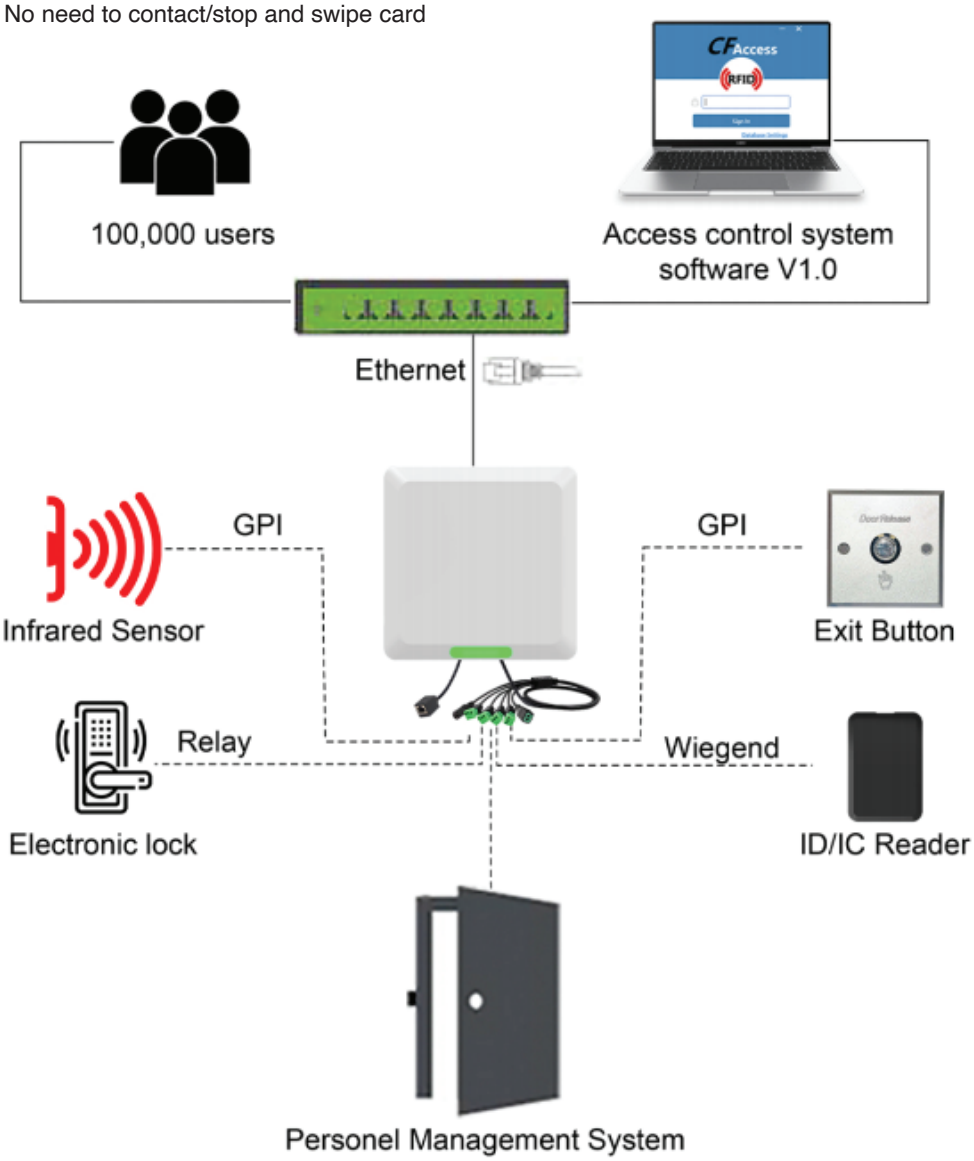
Use:
RFDATAn Access Reader
UHF Card
Door Switch
Electronic Lock

### 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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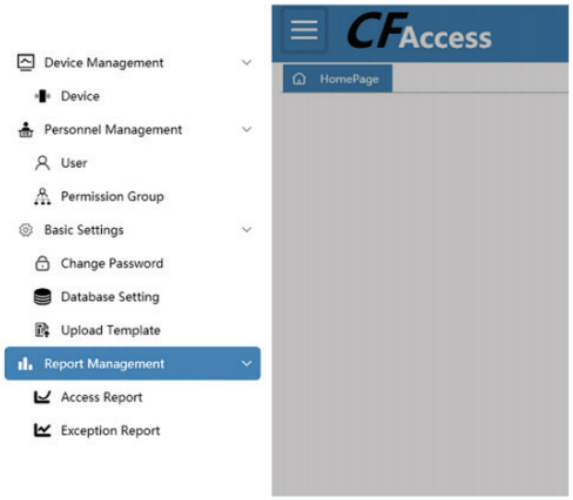
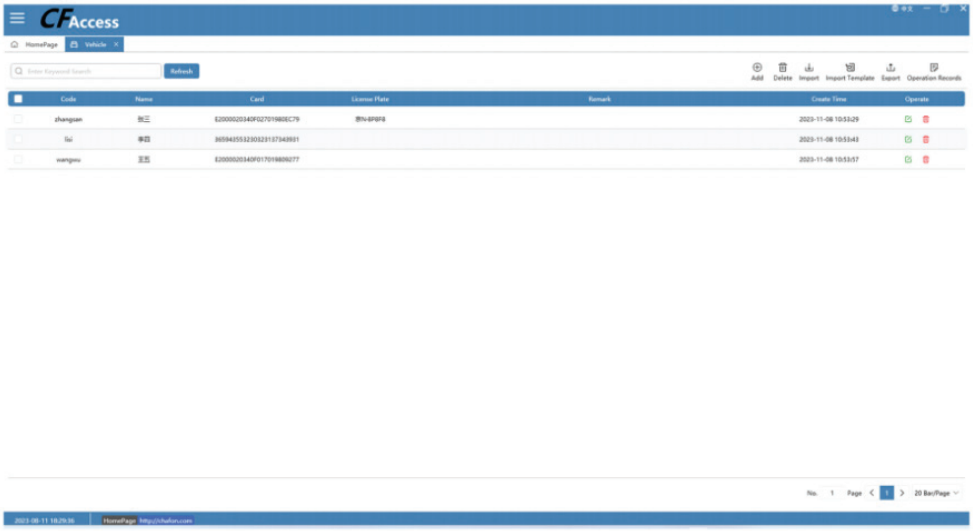
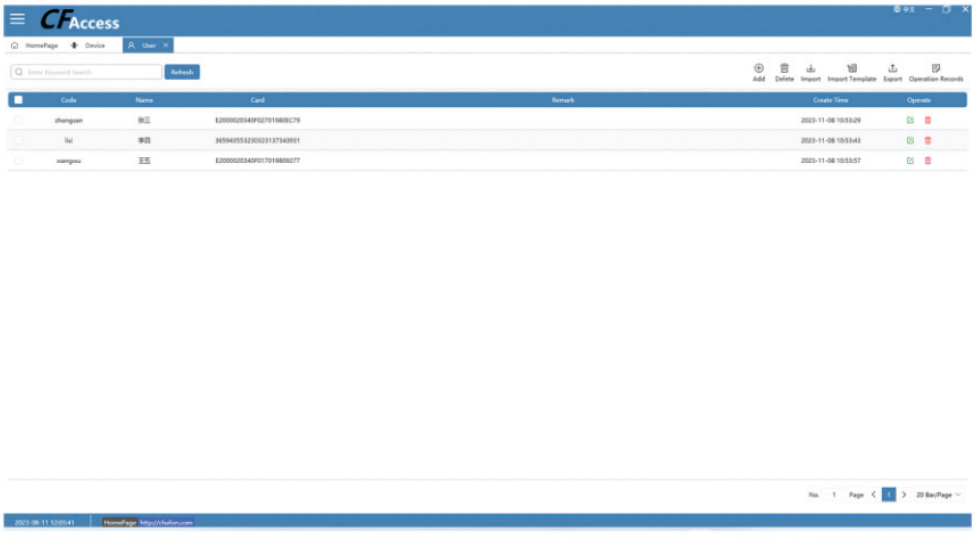
## CF Access Software System




## Vehicle Management




## Personal Management



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