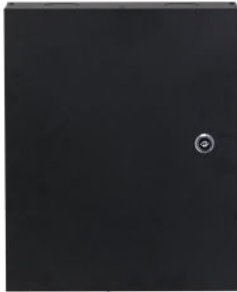


# Access Controller



- TCP/IP communication.
- Two communication protocols: RS-485 and Wiegand.
- Supports storing 100,000 user and 500,000 card-swiping records.
- Supports multi-door interlock, multi-user unlock, anti-passback, and remote unlock.
- Supports reader tamper alarm, intrusion alarm, unlocking timeout alarm, duress alarm, invalid card exceeding threshold alarm, and incorrect password alarm.
- Supports built-in RTC, manual time fixing, and automatic time fixing.
- Data can be saved permanently in case of power failure; supports online upgrade.
- Power supply through storage battery.
- Supports watchdog mechanism to ensure the operation stability.

## Technical Specification

### System

|                   |                    |
|-------------------|--------------------|
| Main Processor    | Embedded processor |
| Internet Protocol | IPv4; TCP; UDP     |
| OSDP Protocol     | Yes                |
| SDK               | Yes                |

### Basic

|                    |                       |
|--------------------|-----------------------|
| Product Appearance | Type C Iron Container |
| Buzzer             | Yes                   |
| Casing Material    | SECC steel board      |

### Function

|                     |   |
|---------------------|---|
| Unlock Mode         | Card swiping; Remote; Password; Fingerprint |
| Period List         | 128   |
| Holiday Period      | 128   |
| Network Update      | Yes   |
| First-Card Unlock   | Yes   |
| Remote Verification | Yes   |
| Blocklist/Allowlist | Yes   |

|                         |   |
|-------------------------|---|
| Peripheral Card Reader  | 8-Channel RS-485 card reader<br>8-Channel Wiegand card reader |
| Multi-door Interlock    | Yes   |
| Group Combination       | Card swiping; password; fingerprint                           |
| Real-Time Surveillance  | Yes   |
| Multiple Authentication | Yes   |

### User

|                  |   |
|------------------|---|
| User (Card) Type | General user; VIP user; patrol user; guest user; blocklist user; other user |
|------------------|---|

### Capacity

|                 |         |
|-----------------|---------|
| User            | 100,000 |
| Fingerprint     | 3,000   |
| Card            | 100,000 |
| Record Capacity | 500,000 |

### Port

|             |                               |
|-------------|-------------------------------|
| RS-485 Port | 9 × RS-485 ports              |
| Wiegand     | 8 × Wiegand ports             |
| Network     | 1 × 10/100 Mbps Ethernet port |
| Alarm Input | 8 (digital quantity)          |

|                       |                           |
|-----------------------|---------------------------|
| Alarm Output          | 8 (relay)                 |
| Alarm Linkage         | Yes                       |
| Exit Button           | 8                         |
| Door Status Detection | 8                         |
| Lock Control          | 8 channels, NO by default |

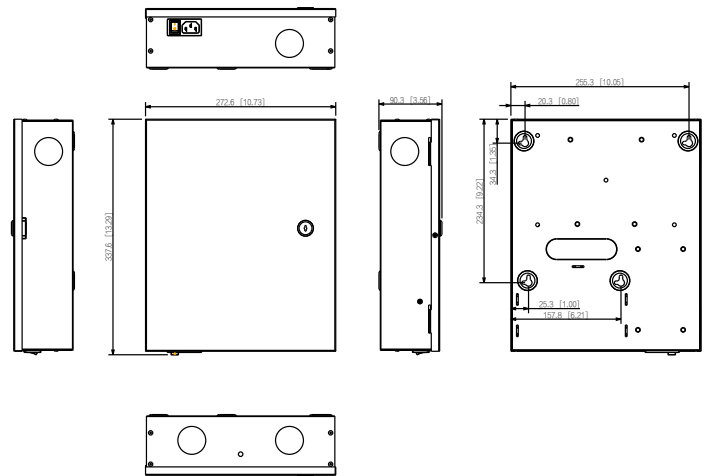
### Alarm

|                                  |     |
|----------------------------------|-----|
| Anti-Passback                    | Yes |
| Tamper                           | Yes |
| Duress                           | Yes |
| Door Unlock Timeout              | Yes |
| Intrusion                        | Yes |
| Illegal Card Exceeding Threshold | Yes |
| Duress Fingerprint               | Yes |

### General

|                       |   |
|-----------------------|---|
| Power Supply          | 100-240 V AC  |
| IP Rating             | IP20; IK04  |
| Power Consumption     | ≤ 0.8 W (standby), ≤ 39.6 W (working)   |
| Product Dimensions    | 337 mm × 272 mm × 90 mm (13.27" × 10.71" × 3.54") (H × W × D)                                   |
| Packaging Dimensions  | 472 mm × 352 mm × 163 mm (18.58" × 13.86" × 6.42") (H × W × D) (one product in an inner carton) |
| Operating Temperature | -30°C to +60°C (-22 °F to +140 °F)  |
| Operating Humidity    | 5%–95% RH (non-condensing)  |
| Operating Environment | Indoor  |
| Gross Weight          | 3.5 kg (7.72 lb)  |
| Installation          | Surface mount   |
| Certification         | CE; FCC; UL   |

### Dimensions (mm[inch])



### Application

