**DAHUA** TECHNOLOGY

# Elevator Master Access Controller

- Manages Up to Eight (8) Elevator Control Modules (DHI-VTM416)
- Supports TCP/IP, RS-485, and Wiegand Protocols
- Stores 1,000 Users and 200,000 Card-swipe Records
- Issues Alarms for Tampering, Intrusion, Timeout, Duress, Invalid Card, and Incorrect Password
- Supports Built-in RTC, Manual Time-fixing, and Automatic Time-fixing
- Enables Anti-passback and Multi-door Interlock to Control Traffic in High-security Applications
- Supports Watchdog Mechanism to Ensure Operation Stability

## System Overview

The DHI-ASC2204C-H is a main controller to manage elevator control modules. The controller supports RS-485 and Wiegand interface allows for flexible reader integrations and web service can be used to configure sub-controllers. The controller can issue alarms in the case of events such as tampering, intrusion, timeout, duress, invalid card, and incorrect passwords.

## Technical Specification

### System

| Main Processor | Dual-core ARM Cortex A9 |
|---|---|
| Memory | 256 MB |

### Network

| Network | Two (2) RJ-45 (10/100 Base-T) Ports |
|---|---|
| Internet Protocol | IPv4, TCP, UDP, HTTP, HTTPS, DDNS, Register, NTP, DST |
| Interoperability | SDK, ONVIF Profile C, CGI |
| Management Systems | DSS Pro |

### Interface

| RS-485 | Four (4) Ports |
|---|---|
| Wiegand | Four (4) Wiegand Ports |

### Controls

| Door Sensors | Four (4) Door Sensors |
|---|---|
| Exit Buttons | Four (4) Exit Buttons |
| Alarms | Eight (8) Alarms |
| Lock Control Channels | Four (4) Lock control Channels |

### Alarms

| Input | Eight (8) Inputs |
|---|---|
| Output | Eight (8) Outputs |

### Peripheral Card Readers

| RS-485 | Four (4) Channel RS-485 |
|---|---|
| Wiegand | Four (4) Channel Wiegand |

### Capacity

| Card Holders | 200,000 |
|---|---|
| Users | 1,000 |
| Events | 150,000 |

### Functions

| Unlock Modes | Card Swipe, Finger Print, Password, Remote |
|---|---|
| Combination Unlock | Combination of Card Swipe, Fingerprint, and Password |
| Access Control | Remote Verification, Block List/Allow List, Multi-door Interlock, Mutlple Authentication |
| User Management | General, VIP, Guest, Patrol, Block List, Duress |
| Alarm Function | • Door Time-out Alarm<br>• Intrusion Alarm<br>• Duress<br>• Tamper Alarm<br>• Anti-passback |
| Schedule Settings | Period: 128 Groups<br>Holiday: 128 Groups |

### Operations

| Power Supply | Power Cable Not Included |
|---|---|
| Primary Voltage | AC85-AC264, 50/60Hz |
| Operating Temperature | −30° C to +60° C (−22° F to +140° F)<br>Less than 95% RH |
| RTC | Support |

**ONVIF**
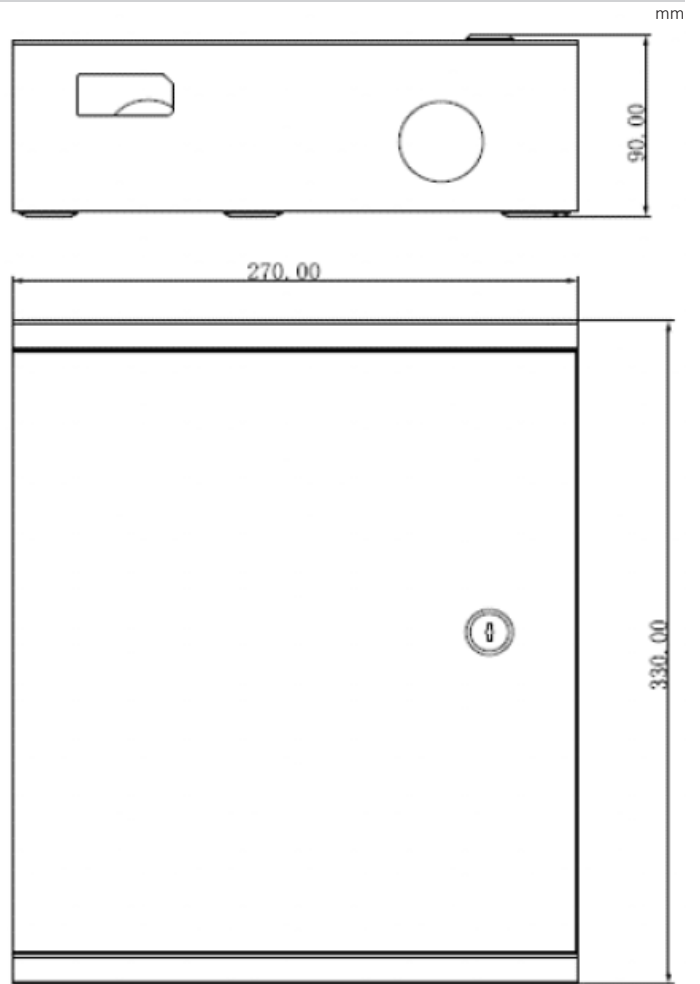
## Construction

| | |
|---|---|
| Case Construction | Iron |
| Product Dimensions (W x D x H) | 270.0 mm × 90.0 mm × 330.0 mm (8.26 in. x 4.56 in. x 1.14 in.) |
| Gross Weight | 2.0 kg (4.4 lb) |
| Installation | Indoor Surface Mount |

### Order Information

| Type | Part Number | Description |
|---|---|---|
| Elevator Controller | DHI-ASC2204C-H | Elevator Main Access Controller |
| Elevator Module | DHI-VTM416 | Elevator Control Module |

## Dimensions



## Application