# DHI-ASI2212H-W / DHI-ASI2212H-DW

## Access Standalone



## System Overview

With a high-end design, the access controller is equipped with a powerful processor that empowered by deep-learning algorithms to recognize fingerprints quickly and accurately. It also supports unlock modes including fingerprints, cards, passwords and their combination.

## Scene

The access controller is applied to access control scenarios such as office buildings, schools, parks, apartment complex, factories, business center, government buildings and more.

- PC + ABS, suitable for indoor and outdoor use.
- 2.4" LCD screen with a resolution of 240 × 320.
- Operating temperature: −30 °C to +65 °C (−22 °F to +149 °F).
- IP65 rated (silicone sealant is needed, see Quick Start Guide).
- Option to switch between reader and controller mode for added convenience.
- 30,000 users, 30,000 cards, 3,000 fingerprints, 30,000 passwords, 50 admin accounts, and 150,000 records.
- Card/remote/password/fingerprint unlock and unlock through their combinations.
- Deep learning algorithm that reduces capacitive fingerprint recognition time to less than 1 s.
- IC card,ID card and NFC technology.
- Brand-new design with a slim, elegant structure.
- Supports access control security module expansion to avoid tampering, increasing access safety.
- Supports duress alarm, tamper alarm, intrusion alarm, door contact timeout alarm, illegal card exceeding threshold alarm, illegal password exceeding threshold alarm, and external alarm.
- Supports guest users, patrol users, blocklist users, VIP users, general users, and others.
- TCP/IP and Wi-Fi communication; auto registration, P2P registration, and DHCP.
- Supports PC/mobile web clilent.
- Supports online update and USB update.
- Doorbell function.
- Audio prompts.
- Compatible with SmartPSS-AC and DSS Pro.

## Technical Specification

### System

| | |
|---|---|
| Main Processor | High-performance embedded processor |
| Network Protocol | IPv4; TCP; UDP; P2P |

### Basic

| | |
|---|---|
| Display Screen | 2.4" LCD |
| Screen Type | LCD |
| Resolution | 240 (H) × 320 (V) |
| Voice Prompt | Yes |
| Buzzer | Yes |
| Casing | PC + ABS |

### Function

| | |
|---|---|
| Unlock Mode | Card/Remote/Password/Fingerprint unlock and unlock through their combinations |
| Card Type | IC or ID card |
| Period List | 128 |
| Holiday Period | 128 |
| Network Update | Yes |

| | |
|---|---|
| First User Unlock | Yes |
| Remote Verification | Yes |
| Restricted List/Trusted List | Yes |
| Wi-Fi | Yes |
| Peripheral Card Reader | 1 × RS-485 card reader<br>1 × Wiegand card reader |
| Multi-user Authentication | Yes |
| Multi-factor Authentication | Yes |
| Web Configuration | Yes |
| Auto Registration | Yes |

### Performance

| | |
|---|---|
| Card Reading Distance | 0-5 cm (0" to 1.97") |

| | |
|---|---|
| Fingerprint Sensor Type | Capacitive fingerprint scanner |
| Fingerprint Comparison Time | 1 s |

## User

| | |
|---|---|
| User (Card) Type | General user, VIP user, patrol user, guest user, blocklist user and others |

## Capacity

| | |
|---|---|
| User Capacity | 30,000 users |
| Fingerprint Capacity | 3,000 |
| Card Capacity | 30,000 |
| Password Capacity | 30,000 |
| Record Capacity | 150,000 unlock records |

## Port

| | |
|---|---|
| RS-485 | 1 |
| RS-232 | 1 |
| Wiegand | 1-ch input/output |
| USB | 1 × USB2.0 port |
| Network Port | 1 × RJ-45, 100 Mbps |
| Alarm Input | 2 (digital quantity) |
| Alarm Output | 1 (relay) |
| Alarm Linkage | Yes |
| Doorbell | 1 |
| Exit Button | 1 |
| Door Status Detection | 1 |
| Lock Control | 1 |

## Alarm

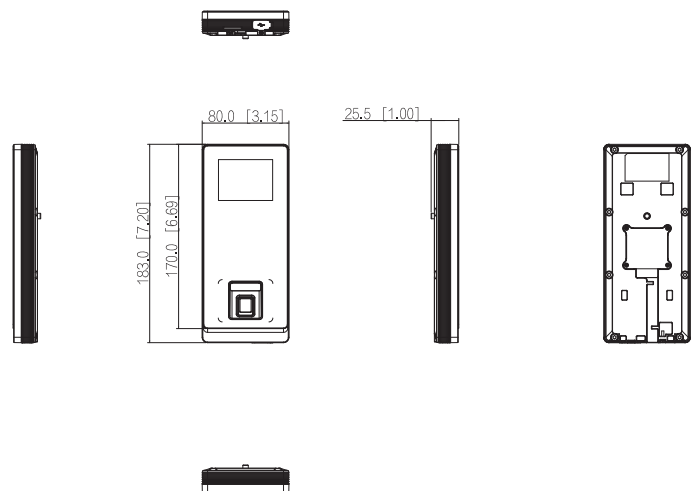| | |
|---|---|
| Anti-pass Back | Yes |
| Tamper Alarm | Yes |
| Duress Alarm | Yes |
| Door Sensor Timeout | Yes |
| Intrusion | Yes |
| Illegal Card Exceeding Threshold | Yes |
| Duress Fingerprint | Yes |

## General

| | |
|---|---|
| Power Adapter | Optional |
| Power Supply | 12 V DC, 1 A |
| Protection | IP65 (silicone sealant is needed, see the quick start guide) |
| Power Consumption | ≤ 12 W |
| Product Dimensions | 183 mm × 80 mm × 25.5 mm (7.20" × 3.15" × 1.00") (H × W × D) |

| | |
|---|---|
| Packaging Dimensions | 248 mm × 143 mm × 66 mm (9.76" × 5.63" × 2.60") (H × W × D, 1 in an inner carton) |
| Operating Temperature | −30 °C to +65 °C (−22 °F to +149 °F) |
| Operating Humidity | 10%–95% (RH), no condensing |
| Operating Environment | Indoor; outdoor |
| Net Weight | 264 g (0.58 lb) |
| Gross Weight | 464 g (1.02 lb) |
| Accessory | Bracket (included) |
| Installation | Surface mount |
| Certifications | CE; FCC |

## Installation
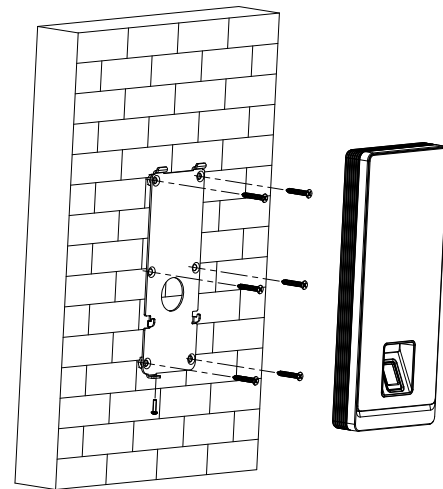


## Dimensions (mm[inch])

## Panels



Platform      Switch      Client

Access Standalone

Lock      Exit button      Card reader      Siren

—— Signal Cable

—— Network Cable