

# RFID Reader

## Vandal-proof 13.56 MHz Contactless Reader



- Wiegand or RS485 Protocol
- MIFARE 13.56 MHz Card
- Metal Keypad Buttons with Blue Backlight
- Blue, Red, and Green Indicator LED Lights
- Audible and Visual Indicators
- Surface-mount Installation



### System Overview

As a key part of the access control system, the DHI-ASR1101M-V1 supports card and password unlock and sends the information to the access controller for verification. With a standard design, it is suitable for a variety of applications.

### Technical Specification

#### System

|                   |                                      |
|-------------------|--------------------------------------|
| Main Processor    | 32-Bit                               |
| Unlock Mode       | IC Card, Password, Combination       |
| Visual Indicator  | LED Indicator Light (Blue/Red/Green) |
| Audible Indicator | Buzzer, Tamper Alarm                 |

#### Reader

|               |   |
|---------------|---|
| Format        | 13.56 MHz MIFARE  |
| Range         | 0.0 cm to 3.0 cm (0 in. to 1.18 in.)                                      |
| Response Time | 0.1 s   |
| Keypad        | Metal Button Keypad<br>12 Keys (1 to 9, *, #), Key 5 has Braille Markings |

#### Interface

|                         |   |
|-------------------------|---|
| Controller Comptability | One (1) RS-485 Channel<br>One (1) Wiegand Channel |
|-------------------------|---|

#### Certifications

|                                    |   |
|------------------------------------|---|
| Safety                             | EN 60950-1:2006+A11:2009+A1:2010+A12:2001<br>+A2:2013<br>UL 60950-1<br>CAN/CSA C22.2 No. 60950-1-07                                     |
| Electromagnetic Comptability (EMC) | FCC CFR 47 Part 15 subpart B<br>EN 55032:2015<br>EN 55024:2010+A1:2015<br>EN 50130-4:2011+A1:2014<br>EN 6100-3-2:2014, EN 6100-3-3:2013 |

#### Environmental

|                       |                                      |
|-----------------------|--------------------------------------|
| Operating Temperature | -10 °C to +55 °C (+14 °F to +131 °F) |
| Operating Humidity    | 0%–95% (RH), non-condensing          |
| Protection            | IK08                                 |

### Construction

|                                  |   |
|----------------------------------|---|
| Casing                           | Zinc Alloy  |
| Product Dimensions (L × W × H)   | 110 mm × 85 mm × 26 mm<br>(4.33 in. × 3.35 in. × 1.02 in.)  |
| Packaging Dimensions (L × W × H) | 153 mm × 144 mm × 77 mm<br>(6.02 in. × 5.67 in. × 3.03 in.) |
| Net Weight                       | 0.48 kg (1.06 lb)   |
| Gross Weight                     | 0.56 kg (1.23 lb)   |
| Installation Method              | Surface mount; 86 case mount                                |

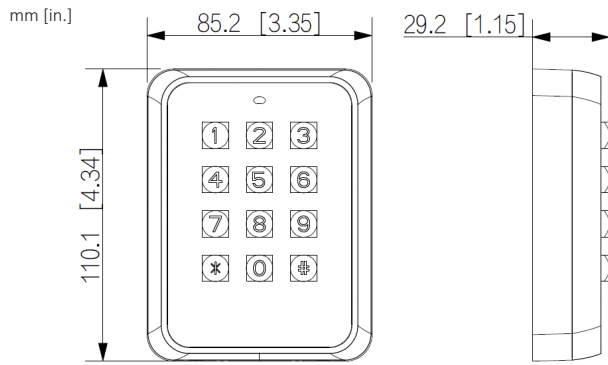
### Accessory - IC Card

|                    |   |
|--------------------|---|
| Model Number       | IC-S50  |
| Standard           | MIFARE S50, 13.56 MHz   |
| Comptability       | ISO/IEC 14443A  |
| Range              | Approximately 10.0 cm (3.94 in.)                                |
| Dimensions         | 86.0 mm × 54.0 mm × 0.80 mm<br>(3.39 in. × 2.13 in. × 0.03 in.) |
| Weight             | 0.006 kg (0.013 lb)   |
| Manufacturer/Brand | Dahua   |

### Accessory - IC Key Fob

|                    |                                  |
|--------------------|----------------------------------|
| Model Number       | IC-S50                           |
| Standard           | MIFARE S50, 13.56 MHz            |
| Comptability       | ISO/IEC 14443A                   |
| Range              | Approximately 10.0 cm (3.94 in.) |
| Manufacturer/Brand | Dahua                            |

Dimensions



Application

