Dahua TECHNOLOGY

RFID Reader
13.56 MHz Waterproof Reader

- Wiegand and RS-485 Protocols
- MIFARE 13.56 MHz Card
- Waterproof Design
- Watch Dog Function for Tamper Detection
- Red and Green Indicator LED Lights
- Surface-mount Installation
- IP67 Ingress Protection

Wiegand/RS485   IP67

System Overview

As a key part of the access control system, the DHI-ASR1100B-V1 supports card unlock and sends the information to the access controller for verification. With a standard design, it is suited for a variety of applications

Technical Specification

System

Main Processor	8-Bit
LCD Display	Blue Backlight
Protocol	Wiegand, RS-485
Audio Indicator	Buzzer, Tamper Alarm

Reader

Format	13.56 MHz MIFARE
Range	1.0 cm to 9.0 cm (0.39 in. to 3.54 in.)
Response Time	< 0.1 s

Interface

Controller Comptability	One (1) RS-485 Channel One (1) Wiegand Output Channel

Certifications

Safety	TBD
Electromagnetic Compatability (EMC)	TBD

Electrical

Power Supply	9V–15V DC/100mA

Environmental

Operating Temperature	−30 °C to +60 °C (−22 °F to +140 °F)
Operating Humidity	≤ 95% RH
Ingress Protection	IP67

Construction

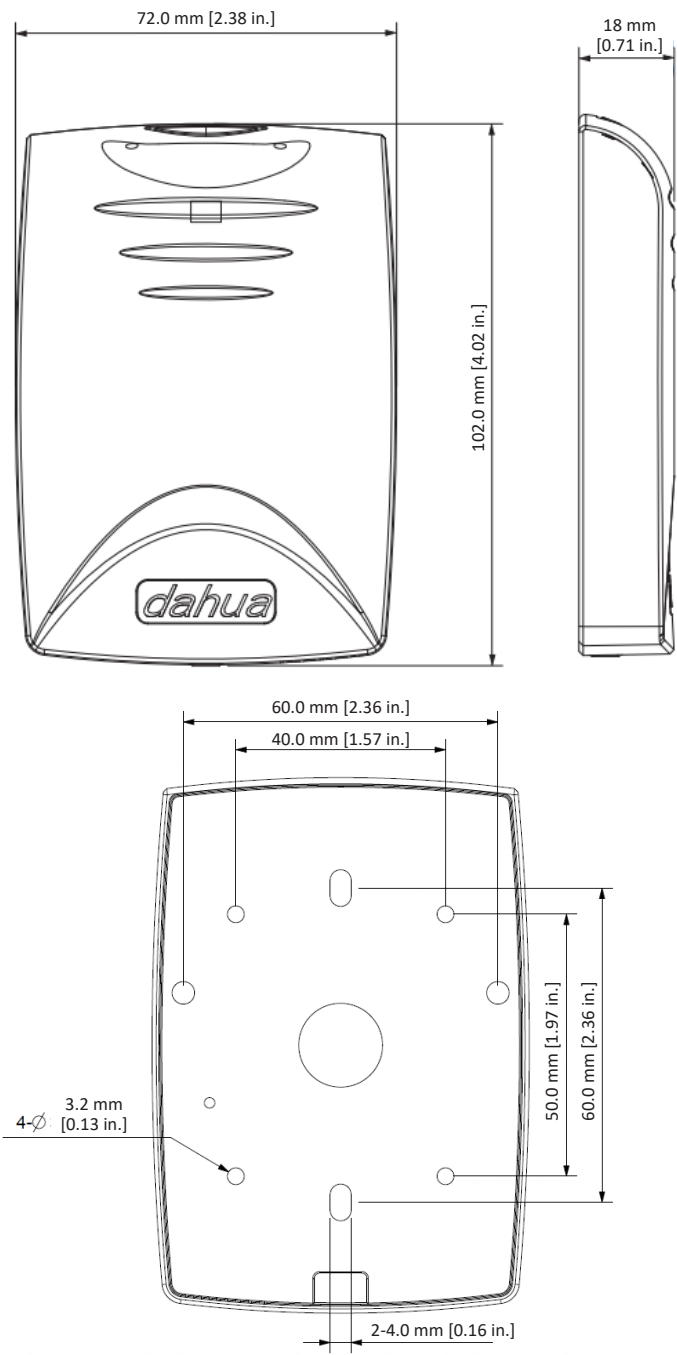|	
Product Dimensions (W x D x H)	72 mm × 102 mm × 18 mm (2.83 in. x 4.02 in. x 0.71 in)
Gross Weight	0.2 kg (0.44 lb)
Installation Method	Surface Mount

Accessory - IC Card

Model Number	IC-S50
Standard	MIFARE S50, 13.56 MHz
Compatability	ISO/IEC 14443A
Range	Approximately 10.0 cm (3.94 in.)
Dimensions	86.0 mm x 54.0 mm x 0.80 mm (3.39 in. x 2.13 in. x 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
Compatability	ISO/IEC 14443A
Range	Approximately 10.0 cm (3.94 in.)
Manufacturer/Brand	Dahua

Dimensions

72.0 mm [2.38 in.]

18 mm [0.71 in.]

102.0 mm [4.02 in.]

60.0 mm [2.36 in.]

40.0 mm [1.57 in.]

50.0 mm [1.97 in.]

60.0 mm [2.36 in.]

3.2 mm [0.13 in.]
4-⌀

2-4.0 mm [0.16 in.]

Application

Management Platform

Switch

Client

Access Controller

Lock

Exit Button

RFID Reader

Alarm Light