

RFID Fingerprint Reader (V3)

13.56 MHz Reader



- RS-485 Protocol¹
- MIFARE 13.56 MHz Card or Fingerprint
- Stores Up to 3,000 Fingerprints
- Watch Dog Function for Tamper Detection
- Audible and Visual Indicators
- Surface-mount Installation



System Overview

As a key part of the access control system, the DHI-ASR1102A-V3 supports card and fingerprint unlock and sends the information to the access controller for verification. With a slim mullion design, it is suited for a variety of applications.

Technical Specification

System

Main Processor	8-Bit
Unlock Mode	IC Card, Fingerprint, Combination
Audible Indicator	Buzzer, Tamper Alarm

Card Reader

Format	13.56 MHz MIFARE
Range	0 cm to 5.0 cm (0 in. to 1.97 in.)
Response Time	0.1 s

Fingerprint Reader

Sensor	Optical
Capacity	3,000
Response Time	1.0 s
Recognition Time	1.5 s
Verification Mode	1:N

Interface

Controller Comptability	One (1) RS-485 Channel
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Certifications

Electromagnetic Comptability (EMC)	CFR 47 FCC Part 15 subpart B ANSI C63.4-2014
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Electrical

Power Supply	9 VDC to 15 VDC, 100mA
Power Consumption	≤ 0.9 W (Standby), ≤ 1 W (Working)

Environmental

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

Construction

Casing	PC, Acrylic Panel
Product Dimensions (L × W × H)	165.5 mm × 56.6 mm × 29 mm (6.52 in. × 2.23 in. × 1.14 in.)
Packaging Dimensions (L × W × H)	192 mm × 130 mm × 56 mm (7.56 in. × 5.12 in. × 2.2 in.)
Net Weight	0.25 kg (0.55 lb)
Gross Weight	0.35 kg (0.77 lb)
Installation Method	Surface Mount

Accessory - IC Card

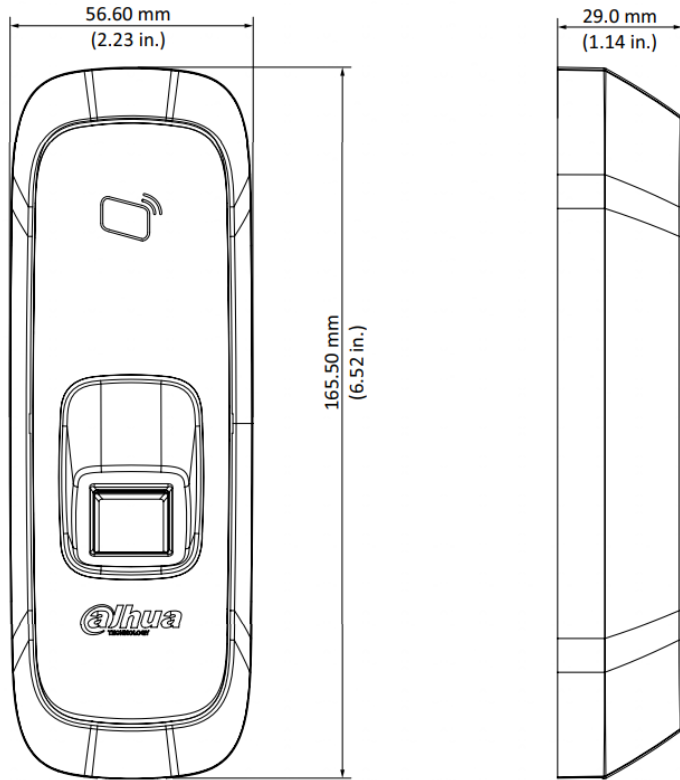
Model Number	IC-S50
Standard	MIFARE S50, 13.56 MHz
Comptability	ISO/IEC 14443A
Range	Approximately 10.0 cm (3.94 in.)
Dimensions	86.0 mm × 54.0 mm × 0.80 mm (3.39 in. × 2.13 in. × 0.03 in.)
Weight	0.006 kg (0.013 lb)
Manufacturer/Brand	Dahua

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

1. To use the fingerprint reading function, only use RS-485 protocol.

Dimensions



Application

