

RFID Fingerprint Reader

13.56 MHz Reader



- RS485 Protocol
- Reads MIFARE 13.56 MHz Card or Fingerprint
- Stores up to 3000 Fingerprints
- Watch Dog Function for Tamper Detection
- Audible and Visual Indicators
- Surface-mount Installation



Technical Specification

System

Main Processor	8-bit
LCD Display	Blue Backlight
Audible Indicator	Buzzer

Card Reader

Format	13.56 MHz MIFARE
Distance	6.0 cm to 8.0 cm (2.36 in. to 3.15 in.), maximum
Response Time	< 0.1 s

Fingerprint Reader

Capacity	3000
Response Time	≤ 0.5 s
Recognition Time	≤ 1.5 s
FAR	≤ 0.00004%
FRR	≤ 0.15%

Interface

To Controller	RS485
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Certifications

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

Electrical/Environmental

Power Supply	9 VDC to 15 VDC, 100 mA
Operating Temperature	-5 °C to +55 °C (23 °F to +131 °F)
Operating Humidity	5% to 95%

Construction

Color	Black
Dimensions	165.50 mm x 56.60 mm x 29.0 mm (6.52 in. x 2.23 in. x 1.14 in.)
Net Weight	0.25 kg (0.55 lb)

Accessory - IC Card

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

Dimensions (mm/in.)

