

RFID Reader

13.56 MHz Contactless Reader



- Wiegand 34 and RS485 Protocols
- MIFARE 13.56 MHz Card
- Watch Dog Function for Tamper Detection
- Sensitive Touch Keypad with Blue Backlight
- Audible and Visual Indicators
- Surface-mount Installation



Technical Specification

System

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

Reader

| | |
|---------------|--|
| Format | 13.56 MHz MIFARE |
| Distance | 6 cm to 8 cm (2.36 in. to 3.15 in.), maximum |
| Response Time | < 0.1 s |
| Keypad | Sensitive Touch Keypad 12 Keys (1 to 9, *, #) |

Interface

| | |
|---------------|---------------------|
| To Controller | Wiegand 34 RS485 |
|---------------|---------------------|

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 | -30° C to +60° C (-22° F to +140° F) |
| Operating Humidity | ≤ 95% |

Construction

| | |
|------------|---|
| Color | Black |
| Dimensions | 135.70 mm x 86.80 mm x 12.70 mm (5.34 in. x 3.42 in. x 0.50 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.)

