

DHI-ASR3100Q-QME

Dahua IC Card, ID Card, QR Code Access Reader



Scene

Suitable for places such as campuses, office buildings, financial buildings, insurance buildings, schools, factories, venues, CBD business centers, residential areas, government departments, and more.

Technical Specification

System

OSDP Protocol	Yes
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Basic

Product Type	Card reader
Buzzer	Yes
Casing Material	PC+ABS Tempered glass

Function

Verification Method	Card; QR Code
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RFID

Card Type	IC card; ID card; Desfire card (EV3, Compatible with Dahua card by default)
Modulation Type	AM
Frequency Range	13.56 MHz; 125 kHz
Max. Transmission Power	125 kHz: 66dBuA/m @10 m 13.56 MHz: 42dBuA/m @10 m

Performance

IC Card Encryption	Yes
Response Time	0.1 s
Card Reading Distance	0-3 cm

- Durable PC + ABS housing with a glass front panel.
- Includes a lens that scans QR codes with a resolution of 640 × 480. It supports paper and electronic codes, and has an embedded illuminator that helps the scanner.
- Supports MIFARE Classic, DESFire EV3, ID cards and QR code (the code can be 2.2 × 2.2 cm to 5 × 5 cm with content less than 512 bytes) recognition.
- Supports RS-485 communication and Wiegand communication. Wiegand 34 is set as the default protocol, and Wiegand 26 can be configured.
- Buzzer and indicator lights provide clear audible and visual prompts.
- Tamper alarm alerts you to device interference.
- Built-in overcurrent and overvoltage protection for electrical safety. Protection against lightning, electrostatic discharge, and short circuits.
- Watchdog monitoring detects faults and automatically recovers to keep the device running.
- Suitable for both indoor and outdoor use.

Lens Resolution (QR Code)	640 × 480
Illuminator (QR Code)	White Light LED
Recognition Angle (QR Code)	Rotate 360°, deflect 65°, tilt 65°
Scanning Angle (QR Code)	75.8° (diagonal)
Recognition Distance (QR Code)	3 cm - 25 cm
Read Speed (QR Code)	120 ms
Supported Codes	QR code, PDF417, DATA matrix, UPC-A, UPC-E, EAN-8, EAN-13, EAN-14, EAN-128, UCC128, ISBN/ISSN, CODE11, CODE32, CODE39, CODE39 FULL, ASCII, CODE93, CODE128, GS1
Code Type	Paper code, electronic code
Code Recognition Accuracy	≥5 mil

Port

RS-485	1
Wiegand	1-ch output

Alarm

Tamper Alarm	Yes
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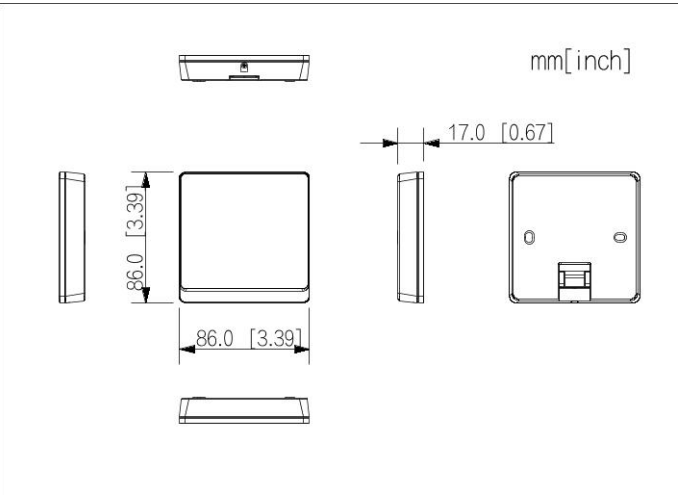
General

Power Supply	9-15 VDC, 0.5 A
Protection	IP65 (requires sealant)

DHI-ASR3100Q-QME

Power Consumption	≤1.5 W (standby) , ≤ 2.2 W (working)
Product Dimensions	86 mm × 86 mm × 17 mm (3.39" × 3.39" × 0.67") (H × W × D)
Packaging Dimensions	102 mm × 58 mm × 103 mm (4.02" × 2.28" × 4.06") (H × W × D, 1 in inner carton) 376 mm × 323 mm × 332 mm (14.80" × 12.72" × 13.07") (H × W × D, in protective box)
Operating Temperature	−40 °C to +65 °C (−40 °F to +149 °F)
Operating Humidity	0%–90% (RH) (no condensing)
Operating Environment	Outdoor
Gross Weight	170 g (0.37 lb)
Installation	Surface Mount;86 mm Junction Box Mount
Certifications	CE
Storage Temperature	−20 °C to +70 °C (−4 °F to +158 °F)
Storage Humidity	30%–75%(RH), non-condensing

Dimensions (mm[inch])



Ordering Information

Type	Model	Description
Access Reader	DHI-ASR3100Q-QME	Dahua IC Card, ID Card, QR Code Access Reader

Installation

