

DHI-ASC4201B-D

Dahua Single Door two-way Access Controller



Technical Specification

System

Main Processor	Embedded Processor
Network Protocol	IPv4;UDP;P2P;IPv6;TCP
OSDP Protocol	Yes
Interoperability	ONVIF PROFILE C
SDK	Yes
API	Yes

Basic

Product Type	Controller
Buzzer	Yes
Casing Material	PC+ABS

Function

Verification Method	Card;Password;Fingerprint;Remote;QR Code
Period List	128 groups
Holiday Period	128 groups
Network Update	Yes
First User Unlock	Yes
Remote Verification	Yes
Restricted List/Trusted List	Yes
Peripheral Card Reader	Supports 2-channel RS-485 card readers and 2-channel Wiegand card readers.
Multi-user Authentication	Yes
Real-time Monitoring	Yes
Multi-factor Authentication	Yes
Web Configuration	Yes

- Adopts Linux and comes with a webpage.
- Supports 100,000 users, 100,000 passwords, 100,000 cards, 10,000 fingerprints, and 500,000 access records.
- Supports multiple unlock methods including card, password, fingerprint and QR code. You can also combine them to create your own personal unlock methods.
- You can configure scheduled unlock methods.
- Supports RS-485 card reader and Wiegand card reader.
- Offers multiple types of alarms such as duress, tamper, intrusion, unlock timeout, and excessive use of illegal card.
- Supports anti-passback, multi-person unlock, first-card unlock and remote verification.
- Supplies power to 1 lock (12 V, 1.2 A or lower) and 2 card readers (12 V, 500 mA or lower) at the same time. The power adapter must support the necessary power specifications.
- Features the fire alarm linkage. The device must be connected to the alarm input port and the corresponding linkage must be configured.
- Supports TCP/IP connection, auto registration, P2P registration and DHCP.
- PoE power supply.
- Compatible with the platforms of SmartPSS Lite, DSS Pro and DMSS.

Unidirectional or
Bidirectional

Bidirectional

User

User (Card) Type	General user, VIP user, patrol user, guest user, blocklist user, other users, custom user 1 and custom user 2
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Capacity

User Capacity	100,000
Fingerprint Capacity	10,000
Card Capacity	100,000
Record Capacity	500,000

Port

RS-485	3 ports. 2 for card readers, and the remaining 1 is for the extension port.
Wiegand	2-channel input
Network Port	1 RJ-45, 10 Mbps/100 Mbps self-adaptive
Alarm Input	4 channels; expandable to 8 channels when connected to an external alarm module.

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Alarm Output	3 channels; expandable to 8 channels when connected to an external alarm module.
Alarm Linkage	Yes
Exit Button	1 channel
Door Status Detection	1 channel
Lock Control	1 channel

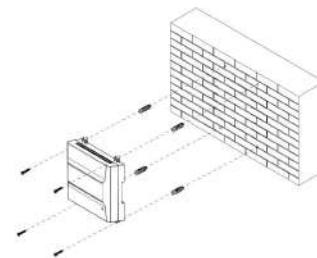
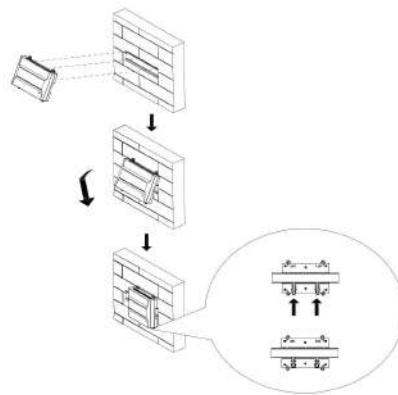
Alarm

Anti-pass Back	Yes
Tamper Alarm	Yes
Duress Alarm	Yes
Door Sensor Timeout	Yes
Intrusion	Yes
Illegal Card Exceeding Threshold	Yes
Duress Fingerprint	Yes

General

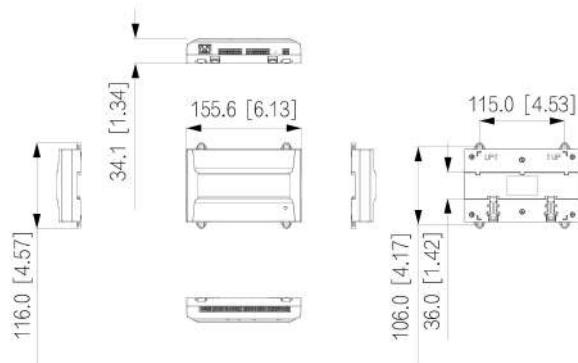
Power Supply	Standard PoE; 12 VDC 1A (no peripheral devices)
Power Consumption	≤ 3 W; it might alter if other devices are connected
Product Dimensions	155.6 mm × 106.0 mm × 34.1 mm (6.13" × 4.17" × 1.34") (L × W × H)
Packaging Dimensions	255 mm × 166 mm × 87 mm (10.04" × 6.54" × 3.43") (L × W × H, 1 in inner carton) 512 mm × 269 mm × 196 mm (20.16" × 10.59" × 7.72") (L × W × H, carton)
Operating Temperature	−30 °C to +60 °C (−22 °F to +140 °F)
Operating Humidity	5%–95% (RH), non-condensing
Operating Environment	Indoor
Gross Weight	0.46 kg (1.01 lb)
Installation	Surface Mount;Guide Rail Mount

Installation



Dimensions (mm[inch])

mm[inch]



Ordering Information

Type	Model	Description
Access Controller	DHI-ASC4201B-D	Dahua Single Door two-way Access Controller