DHI-ASC2204C-S

Access Controller



- TCP/IP communication.
- Two communication protocols: RS-485 and Wiegand.
- Supports storing 100,000 user and 500,000 card-swiping records.
- Supports multi-door interlock, multi-user unlock, anti-passback, and remote unlock.
- Supports reader tamper alarm, intrusion alarm, unlocking timeout alarm, duress alarm, invalid card exceeding threshold alarm, and incorrect password alarm.
- Supports built-in RTC, manual time fixing, and automatic time fixing.
- Data can be saved permanently in case of power failure; supports online upgrade.
- Power supply through storage battery.
- Supports watchdog mechanism to ensure the operation stability.

System Overview

The DHI-ASC2204C-S is an multi-functional access controller with a TCP/IP wired network interface. It can offer professional functions related to access control management. It is applicable to industrial parks, office buildings, financial buildings, schools, factories, CBD, residential areas, governments, and more.

Technical Specification

System

Main Processor	Embedded processor
Internet Protocol	IPv4; TCP; UDP
OSDP Protocol	Yes
SDK	Yes

Basic

Product Appearance	Type C Iron Container
Buzzer	Yes
Casing Material	SECC steel board

Function

Unlock Mode	Card swiping; Remote; Password; Fingerprint
Period List	128
Holiday Period	128
Network Update	Yes
First-Card Unlock	Yes
Remote Verification	Yes
Blocklist/Allowlist	Yes



Peripheral Card Reader	4-Channel RS-485 card reader 4-Channel Wiegand card reader
Multi-door Interlock	Yes
Group Combination	Card swiping; password; fingerprint
Real-Time Surveillance	Yes
Multiple Authentication	Yes

User

User (Card) Type	General user; VIP user; patrol user; guest user; blocklist user; other user

Capacity

User	100,000
Fingerprint	3,000
Card	100,000
Record Capacity	500,000

Port

RS-485 Port	5 × RS-485 ports
Wiegand	4 × Wiegand ports
Network	1 × 10/100 Mbps Ethernet port
Alarm Input	6 (digital quantity)

Alarm Output	4 (relay)
Alarm Linkage	Yes
Exit Button	4
Door Status Detection	4
Lock Control	4 channels, NO by default

Alarm

Anti-Passback	Yes
Tamper	Yes
Duress	Yes
Door Unlock Timeout	Yes
Intrusion	Yes
Illegal Card Exceeding Threshold	Yes
Duress Fingerprint	Yes

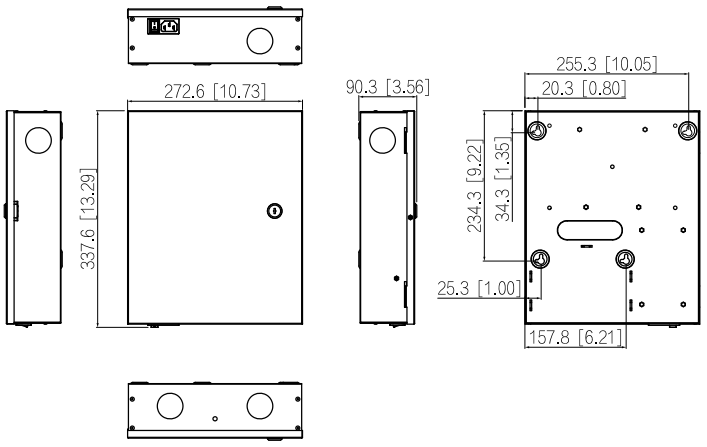
General

Power Supply	100-240 V AC
IP Rating	IP20; Ik04
Power Consumption	≤ 0.8 W (standby), ≤ 39.6 W (working)
Product Dimensions	337 mm × 272 mm × 90 mm (13.27"× 10.71"× 3.54") (H × W × D)
Packaging Dimensions	472 mm × 352 mm × 163 mm (18.58" × 13.86" × 6.42") (H × W × D) (one product in an inner 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	3.5 kg (7.72 lb)
Installation	Surface mount
Certification	CE; FCC; UL

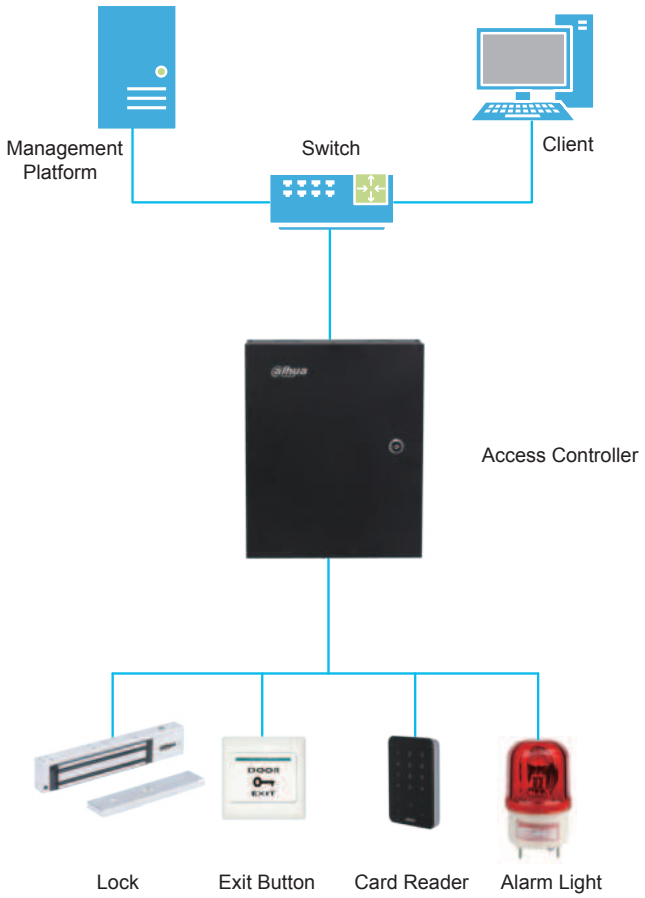
Ordering Information

Type	Model	Description
Access Controller	DHI-ASC2204C-S	Four-door one-way controller model C (iron box, indoor)

Dimensions (mm[inch])



Application



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