DHI-ASC2202B-S

Access Controller



- Support TCP/IP communication
- Two dual communication protocols: RS-485 and Wiegand (W26 and W34)
- Holds 100,000 users and stores 500,000 card swiping records
- Support interlock, group combination, anti-passback, remote unlock, and more
- Support card reader tamper alarm, intrusion alarm, door sensor timeout alarm, duress alarm, illegal card exceeding threshold alarm, and incorrect password alarm
- Built-in RTC, support manual time synchronization and auto time synchronization
- Support power-off memory protection and online upgrade
- Support watchdog (a device that protects a system from software or hardware failures)
- Support PoE power supply



System Overview

The DHI-ASC2202B-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

Internet Protocol	IPv4; TCP; UDP
OSDP Protocol	Yes
SDK	Yes

Basic

Product Appearance	Model B slide rail
Buzzer	Yes
Casing Material	PC+ABS

Function

Unlock Mode	Card/remote/password/fingerprint unlock
Period List	128
Holiday Period	128
Network Update	Yes
First-Card Unlock	Yes
Remote Verification	Yes
Blocklist/Allowlist	Yes
Peripheral Card Reader	2 RS-485 card readers 2 Wiegand card readers
Multi-door Interlock	Yes
Group Combination	Card/password/fingerprint unlock
Real-Time Surveillance	Yes
Multiple Authentication	Yes

User

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

Capacity

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

Port

RS-485 Port	3 RS-485 ports
Wiegand	2 Wiegand ports
Network	One 10/100 Mbps network port
Alarm Input	2 (digital quantity)

Alarm Output	2 (relay)
Alarm Linkage	Yes
Exit Button	2
Door Status Detection	2
Lock Control	2, stays open by default

Alarm

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

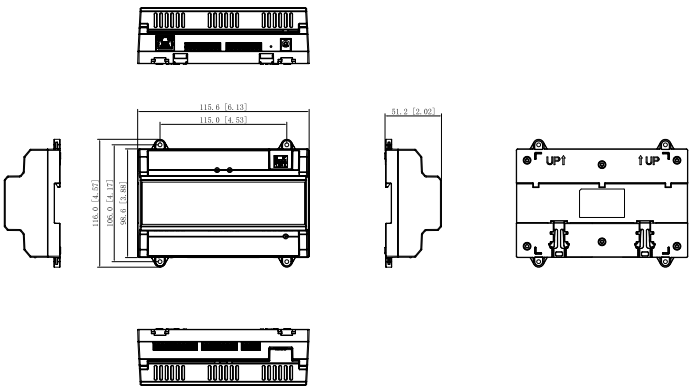
General

Power Supply	Standard POE (an additional power supply for the door lock is needed); DC 12V (support supplying power to the door lock)
IP Rating	IP20, IK04
Power Consumption	Standby 1.0W, working 13.0W (Standard PoE; rated voltage of the card reader power supply is 12V, and the total max. rated current is 1A) Standby 0.8W, working 24.8W (DC 12V; rated voltage of the card reader power supply is 12V, and the total max. rated current is 1A; rated voltage of the door lock power supply is 12V, and the total max. rated current is 1A)
Product Dimensions	155 mm × 106 mm × 50 mm (6.10”× 4.17”× 1.97”)
Packaging Dimensions	Packaging box: 190 mm × 141 mm × 87 mm (7.48”× 5.55”× 3.43”) Protective box: 439 mm × 393 mm × 191 mm (17.28”× 15.47”× 7.52”)
Operating Temperature	–30°C to +60°C (–22°F to +140°F)
Operating Humidity	5%RH–90%RH (no condensation)
Operating Altitude	0 m–1300 m (0 ft–4265.10 ft)
Operating Environment	Indoor
Gross Weight	0.4 kg (0.89 lb)
Installation	Surface/guide rail mount
Certification	CE/FCC/UL

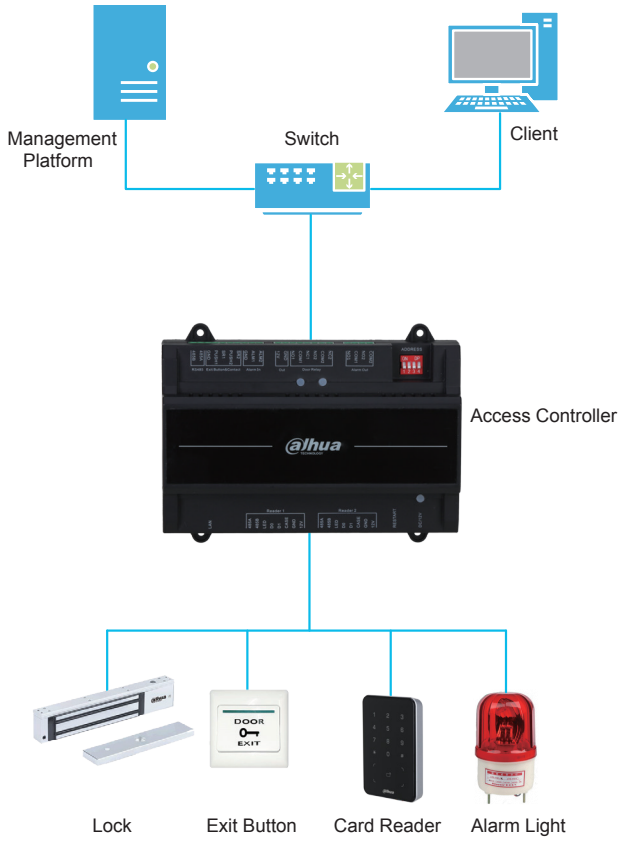
Ordering Information

Type	Model	Description
Access Controller	DHI-ASC2202B-S	One-way Access Controller Model B with Two Doors (portable and indoor)

Dimensions (mm[inch])



Application



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