AB-E8PWR-P

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.

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	8-Channel RS-485 card reader 8-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	9 × RS-485 ports
Wiegand	8 × Wiegand ports
Network	1 × 10/100 Mbps Ethernet port
Alarm Input	8 (digital quantity)

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Alarm Output	8 (relay)
Alarm Linkage	Yes
Exit Button	8
Door Status Detection	8
Lock Control	8 channels, NO by default

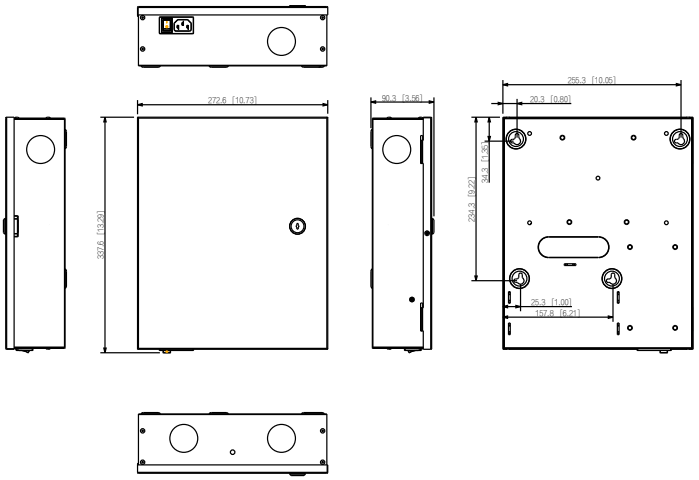
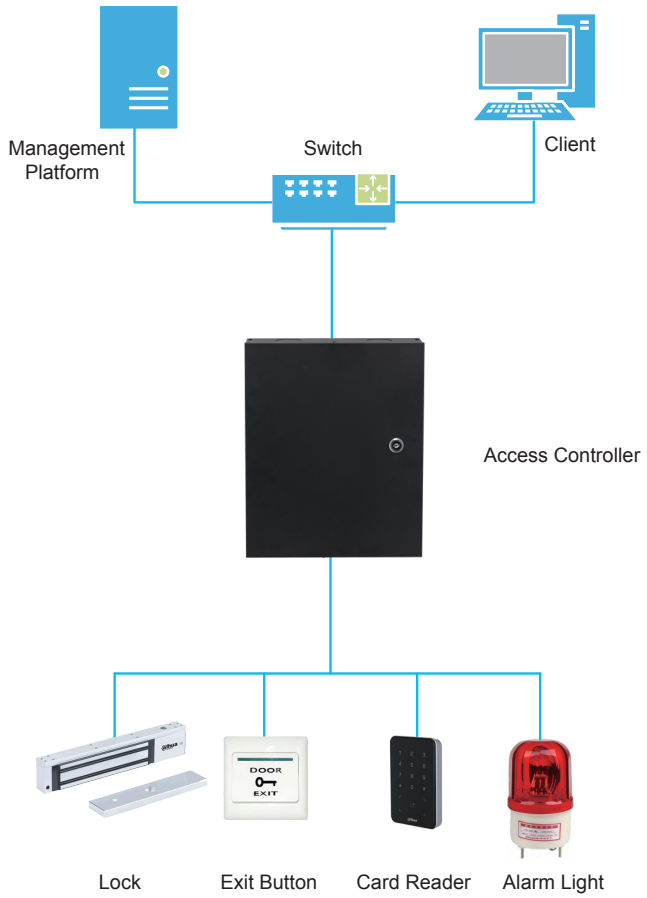
Alarm

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

Dimensions (mm[inch])



Application