

Four-door Multi-function Access Controller



- Supports TCP/IP, RS485, and Wiegand Protocols
- Stores 100,000 User and 500,000 Card-swipe Records
- Issues Alarms for Tampering, Intrusion, Timeout, Duress, Invalid Card, and Incorrect Password
- Supports Built-in RTC, Manual Time-fixing, and Automatic Time-fixing
- Data Saved in Event of Power Failure
- Enable Anti-passback and Multi-door Interlock to Control Traffic in High-security Applications
- Supports Watchdog Mechanism to Ensure Operation Stability

Technical Specification

System

Main Processor	32-bit ARM Cortex-M3
Notification	Buzzer

Ports

Network	One (1) 10/100 Mbps Ethernet Port
Internet Protocol	IPv4, TCP, UDP
Interoperability	OSDP Protocol, SDK, API
Management Systems	DSS Pro, DSS Express

Interface

- Five (5) RS485 Ports
- Four (4) Wiegand Ports

Controls

- Four (4) Door Sensors
- Four (4) Exit Buttons
- One (1) Alarm
- Four (4) Lock Control Channels (NO by default)

Alarms

- Six (6) Alarm Inputs (digital quantity)
- Four (4) Alarm Relays

Peripheral Card Readers

- Four (4) Channel RS485
- Four (4) Channel Wiegand

Capacity

Card Holders	100,000
Users	100,000
Fingerprints	3,000
Records	500,000

Functions

Unlock Modes	Card Swipe, Fingerprint, Password, Remote
Combination Unlock	Combination of Card Swipe, Fingerprint, and Password
Access Control	First-card Unlock, Remote Verification, Block List/Allow List, Multi-door Interlock, Real-time Surveillance, Multiple Authentication
User Management	General, VIP, Guest, Patrol, Block List, Duress
Alarm Function	<ul style="list-style-type: none"> • Door time-out Alarm • Intrusion Alarm • Duress • Duress Fingerprint Alarm • Tamper Alarm • Illegal Card Swipes Exceed Threshold • Anti-passback
Schedule Settings	Period: 128 Groups Holiday: 128 Groups

Operations

Power Supply	Power Cable Included
Primary Voltage Input	100 VAC to 240 VAC
Power Consumption	≤ 0.8 W (standby), ≤ 39.6 W (working)
Operating Temperature	-30° C to +60° C (-22° F to +140° F)
Operating Humidity	5% to 95% Relative, non-condensing
RTC	Support

Construction

Case Material	SECC Steel
Dimensions (H x W x D)	
Product	455.50 mm x 355.50 mm x 106.50 mm (17.93 in. x 14.0 in. x 4.19 in.)
Package	472.0 mm x 352.0 mm x 163.0 mm (18.58 in. x 13.86 in. x 6.42 in.)
Gross Weight	3.50 kg (7.72 lb)
Installation	Indoor Surface-mount
Ingress Protection	IP20
Vandal Resistance	IK04

Certifications

Safety	
Electromagnetic Compatibility (EMC)	CFR 47 FCC Part 15 subpart B, 2019 ANSI C63.4-2014 EN 55032:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 50130-4:2011/A1:2014, EN 55024:2010/A1:2015, EN 55035:2017

Dimensions (mm/in.)

