

AIR Series Access Control Panel ICAIR-400



Reference image only*

IDCUBE's AIR is an enterprise-grade series of Access Control panels supporting advanced web-socket based real-time auto-push communication protocol. The panel support features such as anti-passback, first-card opening, multi-card opening, duress password entry, embedded card verification & auxiliary input/output linkages.

ICAIR-400 Seamlessly integrates with IDCUBE's "Access360" & "INEST" access control applications.

ICAIR-400 access control panel is a 4 door 4 reader control panel along with optional accessories, i.e., UL certified power supply, charging circuit, battery, and tamper switch. The control panel supports upto 12 inputs & 8 outputs

KEY FEATURES

Fully functional hardware/ firmware infrastructure for IDCUBE's Access360 & INEST applications

4 door 4 reader control panel with 12 inputs & 8 outputs

30,000 card holders and 100,000 events capacity

Supports both TCP/IP and RS-485 communication

Web-socket based auto-push protocol facilitates seamless compatibility with IDCUBE's INEST cloud access control

Supports different Wiegand formats

Connects with a variety of electric locks, sensors, exit buttons, alarm devices & indicators

When not actively communicating with the host application, the AIR functions offline, performing all access decisions & event logging

Over-current & over-voltage protection for all input/output terminals

Can be integrated with 3rd party systems such as Intrusion Detection, Fire Alarm and Elevator Control system

*The panel image illustrates component assembly and may not represent the actual controller board

TECHNICAL SPECIFICATIONS

Characteristic	Parameter
Number of Doors Controlled	4 Door
Number of Readers Supported	4 readers on Wiegand interface and up to 8 readers on RS485
Types of Readers Supported	Wiegand, RS485
Number of Inputs	12 (4 for Exit button, 4 for Door status, 4 for Aux)
Electronic lock Relay Outputs	4 (Relay rating: 2A @ 36VDC; Wet & Dry)
Auxiliary Relay Outputs	4 (Relay rating: 1.25A @ 36VDC; Dry only)
Card Holders Capacity	30,000
Log Events Capacity	100,000
Communication	TCP/IP & RS-485
Power Input	12VDC +/- 10%, 2A maximum
Dimension (Board only)	8.5 in. × 5 in. (216 mm × 127 mm)
CPU	32 bit 1.2 GHz
RAM	128 MB
Flash Memory	256 MB
Operating Temperature	0-45°C
Operating Humidity	20% to 80%
Certification	CE, FCC, ROHS
Part Code	ICAIR-400-EXXXXXX ¹

¹EXXXXXX refers to enclosure type along with accessories such as power supply, charging circuit, battery, and tamper switch; Please refer enclosure datasheet for details

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