AIR Series
Access Control Panel
ICAIR-100

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-100 Seamlessly integrates with IDCUBE's "Access360" & "INEST" access control applications.

ICAIR-100 access control panel is a 1 door 2 reader control panel along with optional accessories, i.e., UL certified power supply, charging circuit, battery, and tamper switch. The control panel supports upto 2 inputs & 2 outputs.

KEY FEATURES

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

1 door 2 reader control panel with 2 inputs & 2 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 Acces360 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	1 Door
Number of Readers Supported	2 readers on Wiegand/ RS-485
Types of Readers Supported	Wiegand, RS-485
Number of Inputs	2 (1 for Exit button, 1 for Door status)
Electronic lock Relay Outputs	1 (Relay rating: 2A @ 36VDC; Wet & Dry)
Auxiliary Relay Outputs	1 (Relay rating: 1.25A @ 36VDC; Dry only)
Card Holders Capacity	30,000
Log Events Capacity	100,000
Communication	TCP/IP
Power Input	12VDC +/- 10%, 2A maximum
Dimensions (Board only)	6.3 in. × 4.17 in. (160 mm × 106 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-100-EXXXXXX[1]

[1]EXXXXXX 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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