Convenient Installment and Management

AC-2100 PLUS

VIRDI

2022.07.20
08:34

F1 F2
F3 F4

CARD

Easy Deployment with Compact Design

Fake Fingerprint Detection

Smart and Multi RFID Reader

Extra Durability with IP65

UBio
Your Bio All the Way

Slim and Compact Design for Outdoor Deployment

AC-2100 PLUS offers a slim and compact design, making it easy to install on any access point.
With its IP65 certification, it is well-suited for environments with high humidity or heavy dust,
such as construction sites or outdoor settings.

IP65

1.77"

Slim & Compact Design

- Size: 58 X 187.9 X 51.6mm
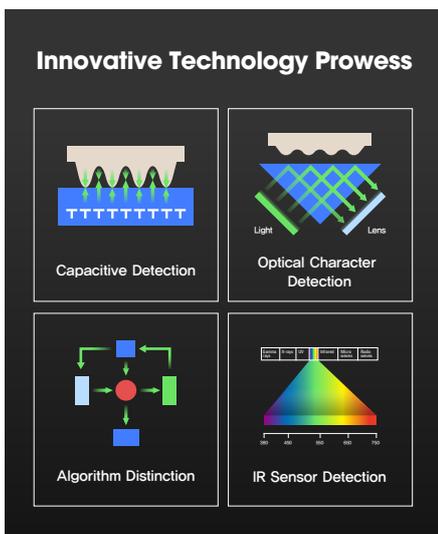
Waterproof & Dustproof Protection

- IP65 rating

Intuitive Operation

- 1.77inch Color TFT LCD (128*160)
- Statuse LED (RGB)

Highest Degree of Security

With its innovative fingerprint recognition algorithm and anti-spoofing technology,
AC-2100 PLUS provides advanced security. It provides an extra reliability through certification
by domestic and international authorities for fingerprint recognition algorithms.

Innovative Technology Prowess

Capacitive Detection

Optical Character Detection

Algorithm Distinction

IR Sensor Detection

Fake Fingerprint Detection

* Typical Fake Fingerprint

Silicone | Rubber | Film | Paper | Gelatin

Reliability through Certification

MINEX
Minutia Exchange

KISA
Korea Internet & Security Agency

- Capacitive Detection
- Optical Character Detection
- Algorithm Distinction
- IR Sensor Detection

- Next Generation Fingerprint Recognition Algorithms
- Live Fingerprint Detection (LFD)

- MINEX Certified and Compliance (National Institute of Standards and Technology, NIST)
- Performance of Fingerprint Recognition Algorithm (Korea Internet & Security Agency, KISA)
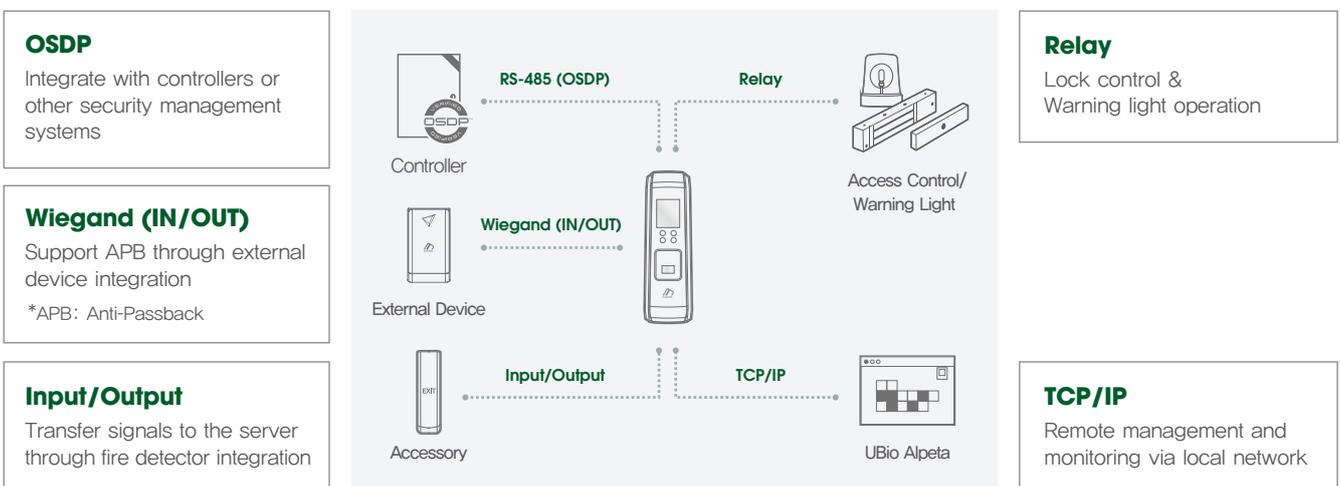
⚙ Versatile Applications

Beyond access control, AC-2100 PLUS can be used for various purposes. For meal management purposes, it enables effective management through the `Reauthentication Prohibition´ feature.
It also supports RFID card option, allowing for diverse usage in a single device.

Access Control

T&A Management

Meal Management

+

Reauthentication Prohibition Time

24H

Flexible usage with the feature, 'Reauthentication Prohibition Time' (Up to 24 hours of maximum time set)

Multi RFID Support

RFID

13.56 MHz, Felica, 125khz–EM, HID Prox, HID iClass

ᯤ Various Communication Interfaces

AC-2100 PLUS provides enhanced reliability and convenience through versatile communication protocols such as TCP/IP, RS485, Wiegand (IN/OUT).

OSDP
Integrate with controllers or other security management systems

Wiegand (IN/OUT)
Support APB through external device integration
*APB: Anti-Passback

Input/Output
Transfer signals to the server through fire detector integration

RS-485 (OSDP)   Relay

Controller

Wiegand (IN/OUT)

External Device

Access Control/ Warning Light

Input/Output   TCP/IP

Accessory

UBio Alpeta

Relay
Lock control &
Warning light operation

TCP/IP
Remote management and monitoring via local network
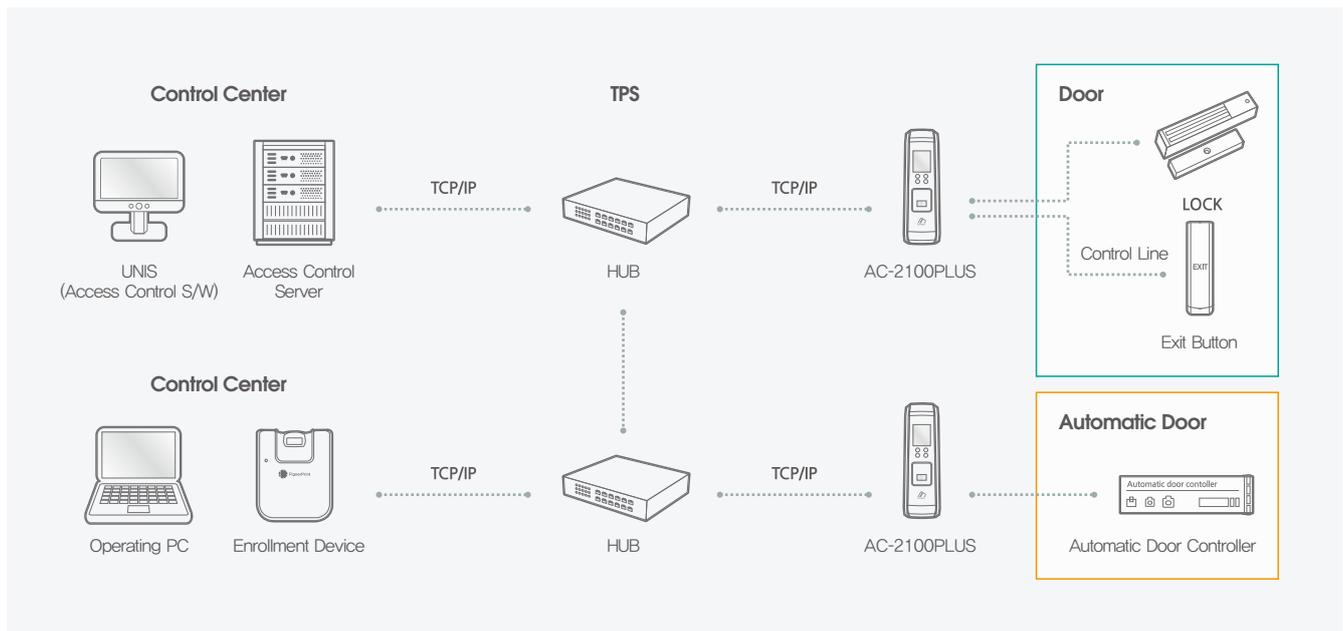
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WHY UNIONCOMMUNITY?

Over 20 years of experience in the field, UNIONCOMMUNITY is a global leading biometric company with brands ViRDI and NITGEN.

UBio is a premium integrated security brand of UNIONCOMMUNITY. As a customer–oriented company, we always think like a customer, providing the best digital experiences with the innovative technical prowess.

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NITGEN

ViRDI

System Configurations

Specification

Model Name		AC-2100PLUS
Authentication Method		Fingerprint, Card, PW
Authentication		CE, FCC, KC
Credential	RF Options	125khz-EM / 13.56MHz Smart Card / HID Prox / HID iClass
Protection Degree	Waterproof & Dustproof	IP65
Fingerprint	Template	UNIONCOMM / ISO19794-2 / ANSI_378
	Extraction Match	MINEX certified and compliant
	Fake Fingerprint Detection	Support
Memory	Max Templates per Finger	10,000
	Max Templates Per user (1:1)/(1:N)	10,000
	Max Credentials (1:N)	3,000
	Max Credentials (1:1)	20,000
	Max Text Logs	100,000
General	CPU	32 bits RISC Processor (ARM9 Core) - 400MHz
	Memory	32M (Nand Flash) + 128M (Nor Flash), 64M (RAM)
	Resolution	500 dpi
	LCD	1.77"Color LCD (128*160)
	LED	Statuse LED (RGB)
	Sound	16-bit
	Operating Temperature	-20 ~ 60℃ (-4°F~140°F)
	Operating Humidity	0% ~ 90%
	Measurement (W X H X D mm)	58 X 187.9 X 51.6 mm
	Weight	300g
	Tamper	O
Interface	TCP/IP	O
	RS	O
	Wiegand	1 Port (Input) / 1 Port (Output)
	Relay	1 Port
	USB	O
Electrical Spec	Power	DC 12V ~ 24V