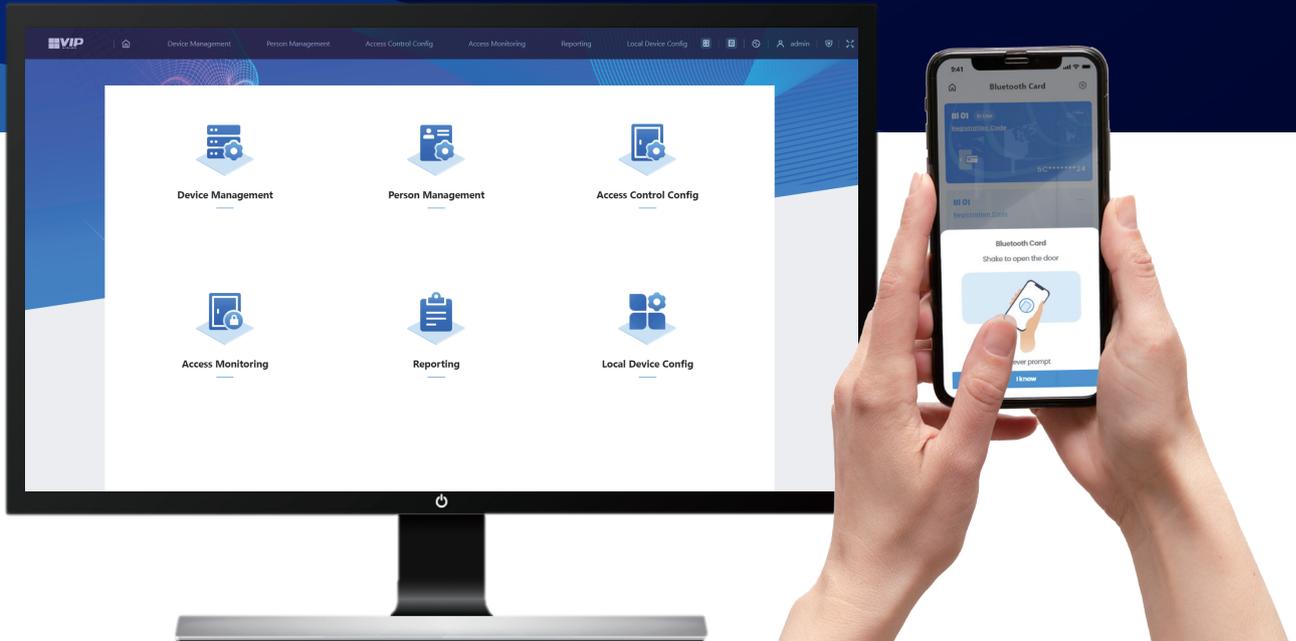# Web-Centric Access Solutions

VIP Vision™ AC-W Series Network Access Control Systems

Simplify your access control with W-Series Access Control Systems from VIP Vision. Lightweight and flexible, with smart hardware for rapid installation, deliver web managed access control to small and medium enterprises with support for up to 40 doors.

Intuitive Web-Based Access Control

Take control of your building security with through a single web-based platform. Swiftly add devices, enroll users, set permissions and schedule access through an intuitive browser interface. Manage your system from your mobile device, receiving alerts for access control event notifications and even use your smartphone as an access key to interface with readers.

Initialise → Add Devices → Add Users → Add Time Schedules → Assign Access Permissions

W-Series System Highlights

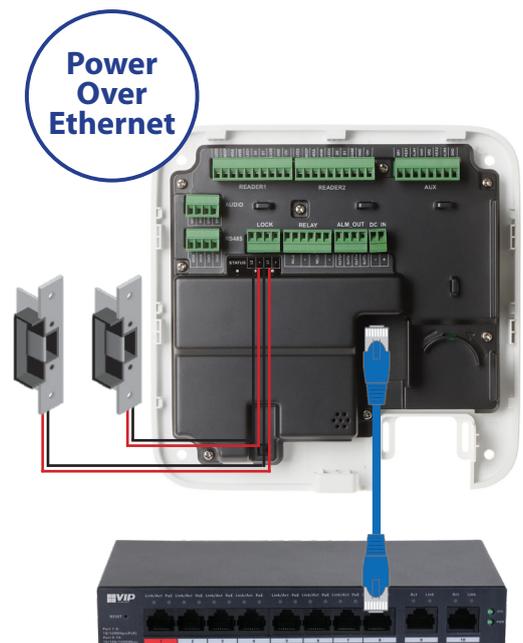**Flexible Browser-Based Web Management**

- Manage access online via a single web interface
- Manage devices, users and global alarm integration
- Multiple Wiegand protocol support for third party readers
- Real-time monitoring of access control status, reporting of event information and remote control of doors

Rapid Installation and Power Over Ethernet (PoE)

- Powered by PoE for easy installation; the controller supplies power to both locks and readers, reducing cabling costs
- Remote initilise devices quickly using device discovery
- Generate hardware interface diagrams that effectively guide wiring and simplify installations

Remote Control via Smart Devices

- Enables the remote control of up to 40 doors via apps
- Supports real-time door-use & alarm push notifications
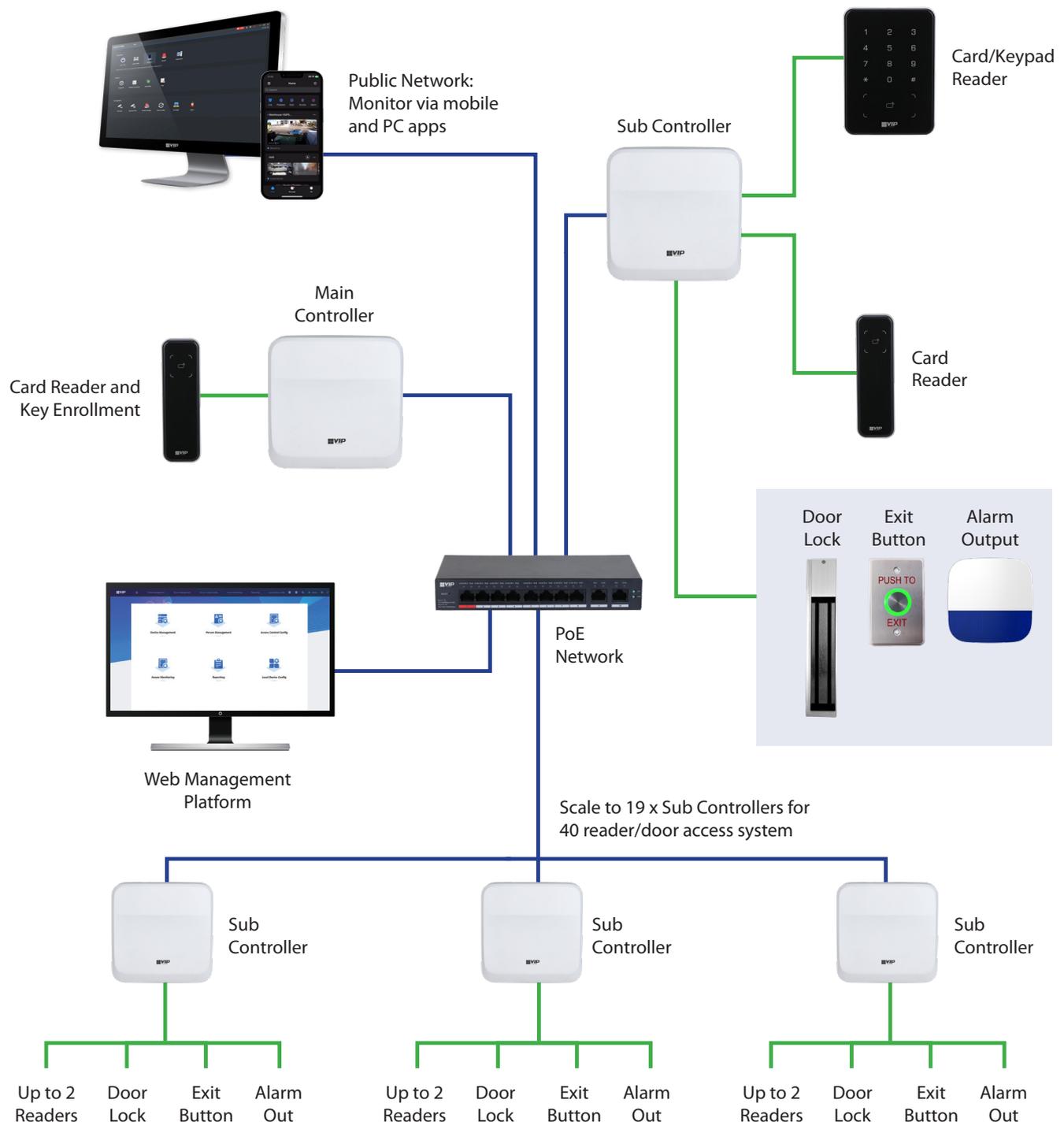- Log allows remote users to search all recorded door uses

Power Over Ethernet

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AC-W Series System Topology

Main and Sub Controller Arrangement Controls up to 40 Doors

- For easy integration with existing networks, build out your required network with main & sub controllers
- Each controller, whether in main or sub configuration, can handle up to 2 doors
- Connect up to 20 controllers across your access control network for up to 40 controlled doors

Interface for Multiple Device Connection

- Readers communicate via RS-485 or Wiegand; controllers have support for third party Wiegand readers
- Each controller features support for 2 door sensors, 2 exit buttons, 2 alarm output and 2 local control
- Connect electromagnetic locks, electric strikes, door release switches and alarm devices

Public Network: Monitor via mobile and PC apps

Card/Keypad Reader

Sub Controller

Main Controller

Card Reader and Key Enrollment

Card Reader

Door Lock

Exit Button
PUSH TO
EXIT

Alarm Output

PoE Network

Web Management Platform

Scale to 19 x Sub Controllers for 40 reader/door access system

Sub Controller

Sub Controller

Sub Controller

Up to 2 Readers | Door Lock | Exit Button | Alarm Out

Up to 2 Readers | Door Lock | Exit Button | Alarm Out

Up to 2 Readers | Door Lock | Exit Button | Alarm Out

Access control simplified.

AC-W Series: Professional Web-based Access Control for up to 40 doors

The AC-W Series comprises powerful and flexible access control systems designed to deliver secure and scalable access management for commercial applications. The web control module acts as central command for your access control system, managed simply via your network within your web browser. Cascade web control modules to grow your system to manage up to 40 doors, perfect for securing small to medium enterprises. Combine multiple systems via the Access Management Platform software to scale further, built for large enterprise deployments.
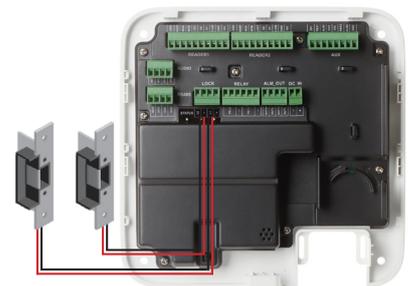
- Built-in web server for master and sub configuration
- Combine up to 20 modules to control up to 40 doors
- Web control module supports up to 1000 users
- Manage users, roles, keys, codes via web browser

- Accesses readers via Wiegand & RS-485 protocols
- Power via PoE and output 12VDC 1A to door locks
- Supports advanced access control features such as first-person unlock, global anti-passback and more
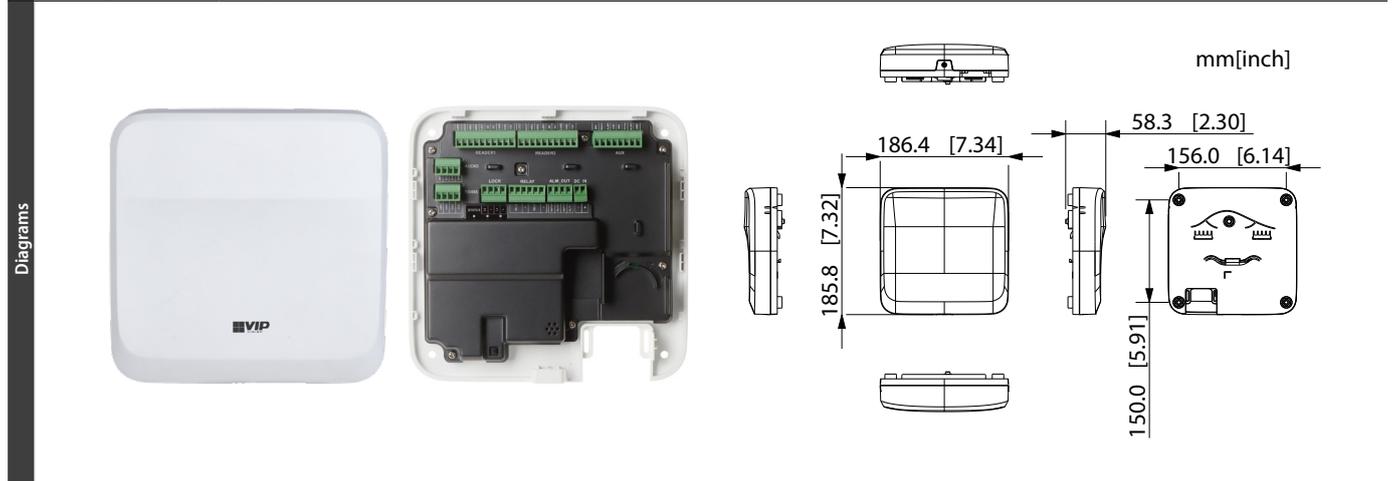
Scale up to 40 controlled doors
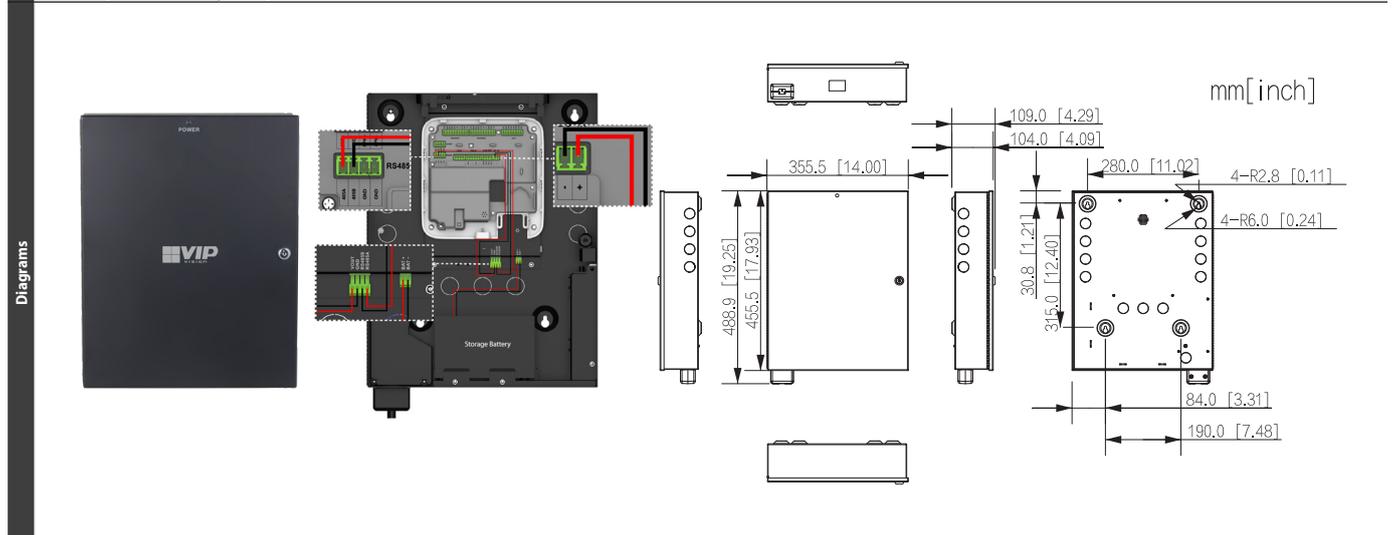
Rapid module installation via PoE

Power Over Ethernet

Power door strikes via controller

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Access Control Modules | Series Specifications

Series	AC-W Series Professional Access Control
Model Number	**AC-WCM:** Two-Door Web Access Control Module **AC-WLC:** Lift Controller Module for AC-W Series (Optional)
Controller Inputs	2 x Door Status, 2 x Lock Control, 2 x Exit Button, 2 x Alarm Input/Output, 1 x RJ-45, 2 x Wiegand, 3 x RS-485
Controller Outputs	2 x Door Lock, 2 x Alarm Output
Reader Capacity	Supports up to 2 x RS-485 Card Readers, up to 2 x Wiegand Card Readers
User Capacity	1,000 (as Main Controller), 10,000 (as Sub Controller)
Fingerprint Capacity	3,000
Card Capacity	5,000 (as Main Control), 50,000 (as Sub Controller)
Bluetooth Capacity	5,000 Bluetooth Cards
Record Capacity	Up to 300,000 Events
Period Capacity	Schedule up to 128 General Purpose Periods and up to 128 Holiday Periods
Unlock Modes	Supports Card, Password, Fingerprint, Bluetooth Card, Remote Unlock and Combination Unlock
User Types	General, VIP, Guest, Patrol, Blocklist, Other
Alarm	Door Sensor Timeout, Tamper Alarm, Duress Alarm via Card or Fingerprint, Intrusion Alarm, Illegal Card
Access Functions	First-Person Unlock, Multi-Person Unlock, Multi-Door Interlock, Global Anti-Passback, Global External Alarm, Blocklist/Allowlist, Real-time Monitoring, Multi-Factor Authentication, Web Configuration, Network Software Updates, Multi-User Authentication (via Management Platform only)
Ethernet	RJ-45 (10/100Base-T)
Internet Protocols	P2P, IPv4, DNS, DDNS, TCP, UDP, ONVIF, CGI
Housing Rating	Indoor Use Only, IK06 Impact Resistance
Power Supply	12VDC, PoE (802.3at), Battery Backup via AC-WSB only
Operating Conditions	-10° ~ +55° C / Less than 95% RH / Indoors only
Housing	Plastic (PC and ABS)
Dimensions	186 x 186 x 58mm
Net Weight	0.99kg

Access Control is the left side label for the first group of rows; *General* labels the Ethernet through Net Weight rows. *Diagrams* labels the diagram section.

mm[inch]

186.4 [7.34]   185.8 [7.32]   58.3 [2.30]   156.0 [6.14]   150.0 [5.91]

Model	AC-WSB: Access Control Lock Surface Box with Power Backup
Features	12V7Ah Backup Battery Enclosure, Air Circuit Breaker, Firmware Update, Event Reporting, Anti-Tamper Output
Event Reporting	**Via RS-485 Extension:** Main Power Failure, Main Power Recovery, Tamper
Power Supply	Input: 100-240VAC, ≤1.5A / Output: 15VDC ≤4A
Operating Conditions	Less than 95% RH / Indoors only
Housing	Galvanised steel plate
Dimensions	186 x 186 x 58mm
Net Weight	0.99kg

mm[inch]

355.5 [14.00]   488.9 [19.25]   455.5 [17.93]   109.0 [4.29]   104.0 [4.09]   280.0 [11.02]   4-R2.8 [0.11]   4-R6.0 [0.24]   30.8 [1.21]   315.0 [12.40]   84.0 [3.31]   190.0 [7.48]

Robust and elegant access.

AC-W Series: Premium Card/Keypad Readers for Professional Access Control

The AC-W Series features premium card, keypad and bluetooth access control readers to deliver an elegant and functional access security solution for commercial applications. Readers communicate via RS-485 or Wiegand protocols and are available in 3 different styles to suit standard or slimline mounting installation. The range also includes a Bluetooth compatible model for access authentication via mobile application, enabling quick unlock at a up to 10m via smartphone, perfect for ease of use in deployments with less strict access requirements.

- Card, keypad and Bluetooth reader authentication
- Web management via controller and web browser
- RS-485 or Wiegand protocol via 13.56MHz RFID
- Readers can enroll new access keys and codes

- RGB LED and chime for user audio/visual prompts
- Anti-tamper alarm and backlit keypad (AC-WRA/B)
- Polycarbonate and tempered glass construction
- IP66 weather rated (fitted as per install guidelines)
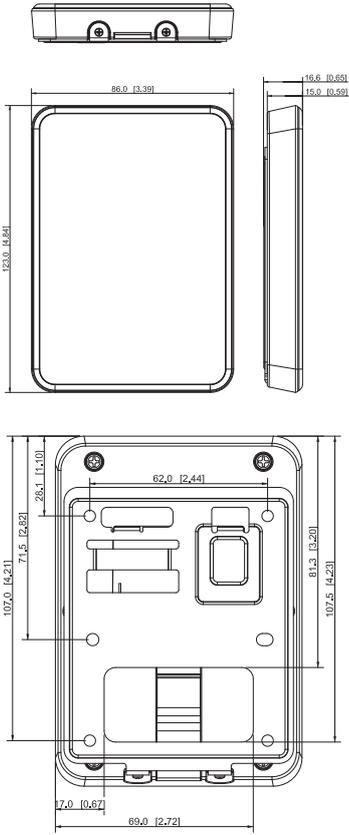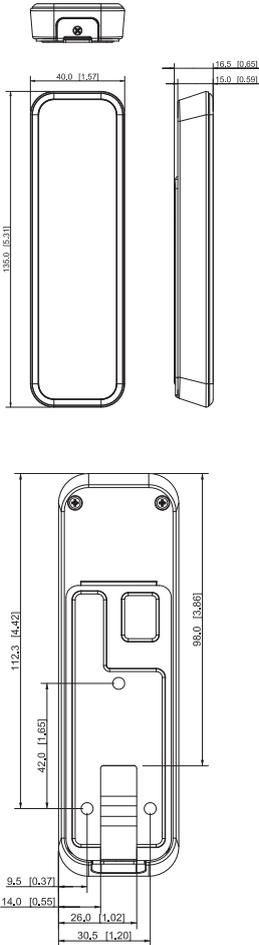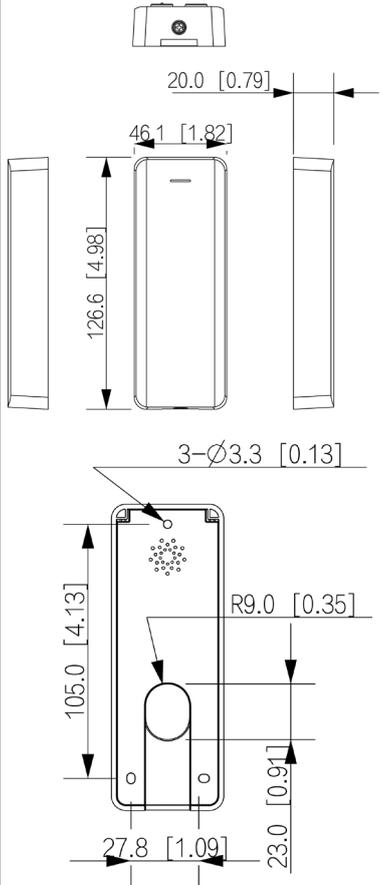

Bluetooth Contactless Access

Register New Cards and Codes

Anti-Tamper & Weather Rated

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Access Control Readers | Series Features

	Model	AC-WRA Series	AC-WRB Series	AC-WRC Series
General	Image			
	Product	**AC-WRA-C:** Square Card Reader **AC-WRA-CK:** Square Card & Keypad Reader	**AC-WRB-C:** Slimline Card Reader **AC-WRB-CK:** Slimline Card & Keypad Reader **AC-WRB-CB:** Slimline Card & Bluetooth Reader	**AC-WRC-C:** Slimline 2 Card Reader **AC-WRC-CK:** Slimline 2 Card & Keypad Reader
	Communication	RS-485 / Wiegand 34		
Access	RFID Format	13.56MHz (Mifare)		
	RFID Read Range	≤5cm	≤5cm	≤8cm
	RFID Read Time	0.1s		
	Bluetooth Distance	N/A	0.2m ~ 10m (-CB model only)	N/A
	Keypad	12 Touch Keys {0-9,*,#} (-CK model only)		
Interface	Audio	Buzzer		
	Light	Blue Backlight	Blue Backlight	Indicator Light
	Tamper Switch	Yes		
Environmental	Ingress Protection	IP66 (when fitted as per product installation guidelines)		
	Power Supply	12 VDC / 0.5A		
	Power Usage	≤ 0.9W (Standby), ≤ 1.7W	≤ 0.9W (Standby), ≤ 1.7W	≤ 0.48W (Standby), ≤ 1.7W
	Operating Conditions	-30°~+70° C / <95% RH		
	Dimensions	123 x 86 x 15mm	135 x 40 x 15mm	127 x 46 x 20mm
	Net Weight	0.35kg	0.16kg	0.10kg
Diagrams	Installation			

Professional Access Control Components

The AC-W Series is supported by a wide range of professional access components to ensure high security access control deployments. The AC-W Series is also compatible with a wide range of third party access control hardware to interface with existing systems and meet specified security requirements.

Electric Strikes & Locks

Electromagnetic Locks

Network Switches & PoE Injectors

Door Access Hardware

Door Release & Request to Exit

Access Control Cards & Keyfobs

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Contact your local VIP Vision access control professional
Get in touch at www.vipvision.au