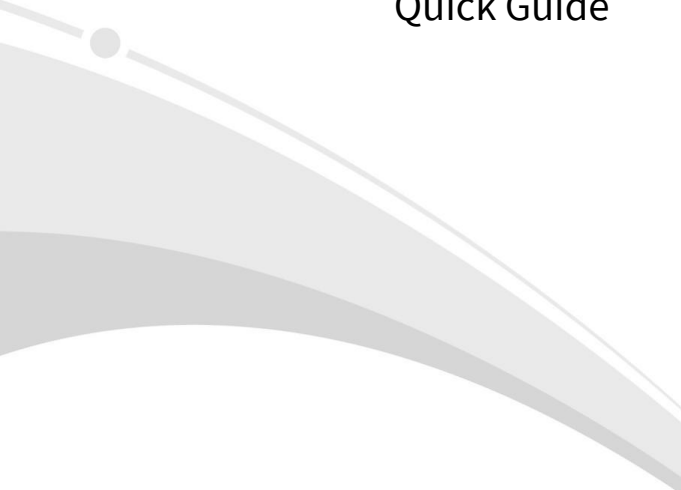




Access Controller

Quick Guide

V1.05

Preface

The content of this section is designed to ensure that users use the product correctly to prevent dangers or property loss caused by improper operation. Before using this product, be sure to read this manual carefully. Please keep this manual properly for future reference.

About This Manual

- We recommend that you use this manual under the guidance of a professional.
- This manual is designed for use with multiple product models, and it is not possible to list the appearance and functions of each product individually. Please refer to the actual product for use.
- This manual is intended for multiple software versions, and the illustrations and descriptions in this manual may be different from the actual GUI and functions of the software.
- Despite our best efforts, technical or typographical errors may exist in this manual. Uniview cannot be held responsible for any such errors and reserves the right to change the manual without prior notice.
- Users are fully responsible for the damages and losses that arise due to improper operation.
- Uniview reserves the right to change any information in this manual without any prior notice or indication. Due to such reasons as product version upgrade or regulatory requirement of relevant regions, this manual will be periodically updated.
- This manual will be updated in real time according to the laws and regulations of the relevant regions. For specific details, please refer to the product's paper copy, QR code, or official website. In case of any discrepancy between the paper copy and the electronic version, the electronic version shall prevail.

About This Product

If the product you have chosen is a video product, please strictly adhere to the applicable laws and regulations. You can visit our official website to inquire about the relevant content.

Instructions for Use

- This document serves as a guide for use only. All statements, information, and suggestions contained in this document do not constitute any express or implied warranty.
- We assume no responsibility for any special, incidental, consequential, or indirect damages resulting from the use of this manual or the use of our products, including but not limited to losses due to loss of business profits, data or document loss, and product malfunction or information leakage caused by cyber-attack, hacker attack, and virus infections.
- Due to uncertain factors such as the physical environment, there may be discrepancies between the actual values of some data and the reference values provided in the manual. In case of any questions or disputes, the company's final interpretation shall prevail.

Formatting Conventions

The UI formatting conventions used in this document are as follows:

Format	Meaning
Bold	Bold means UI elements (button names, menu names, window names, etc.), e.g., Click Save .
>	Indicate a sequence of actions, e.g., click Device Management > Add Device, which means first click Device Management, and then click Add Device.

Symbol Conventions

This document uses various distinctive symbols to highlight areas that require special attention during the operation process. The meanings of these symbols are as follows:

Symbol	Meaning
	NOTE: Provides tips and additional information related to the operation and use of the product.
	CAUTION: Alerts to matters that requires attention during operation, as improper handling may lead to product damage, data loss, or functional abnormalities.
	WARNING: The annotations following this symbol demand extra attention, as improper handling could potentially cause personal injury.

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EU Authorised Representative

UNV Technology EUROPE B.V. Treubstraat 1, 2288 EG, Rijswijk, Netherlands.

If you have any feedback, please contact us at service@uniview.com.

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- Users must assume total responsibility and all risks for connecting the product to the Internet, including, but not limited to, network attack, hacking, and virus. Uniview strongly recommends that

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- When using this product, please strictly adhere to the applicable laws and regulations to avoid infringing upon the rights of third parties, including but not limited to intellectual property rights, data rights, or other privacy rights. You must also not use this product for the purposes of developing or facilitating the use of weapons of mass destruction, biological or chemical weapons, nuclear weapons, or for any other purposes that violate international norms and regulations.

Privacy Protection Reminder

Uniview complies with appropriate privacy protection laws and is committed to protecting user privacy. You may want to read our full privacy policy at our website and get to know the ways we process your personal information. Please be aware, using the product described in this manual may involve the collection of personal information such as face, fingerprint, license plate number, email, phone number, GPS. Please abide by your local laws and regulations while using the product.

Safety Precautions

The device must be installed, serviced and maintained by a trained professional with necessary safety knowledge and skills. Before you start using the device, please read through this guide carefully and make sure all applicable requirements are met to avoid danger and loss of property.

Storage, Transportation, and Use

- Store or use the device in a proper environment that meets environmental requirements, including and not limited to, temperature, humidity, dust, corrosive gases, electromagnetic radiation, etc.
- Make sure the device is securely installed or placed on a flat surface to prevent falling.
- Unless otherwise specified, do not stack devices.
- Ensure good ventilation in the operating environment. Do not cover the vents on the device. Allow adequate space for ventilation.
- Protect the device from liquid of any kind.
- Make sure the power supply provides a stable voltage that meets the power requirements of the device. Make sure the power supply's output power exceeds the total maximum power of all the connected devices.
- Verify that the device is properly installed before connecting it to power.
- Do not remove the seal from the device body without consulting Uniview first. Do not attempt to service the product yourself. Contact a trained professional for maintenance.
- Always disconnect the device from power before attempting to move the device.
- Take proper waterproof measures in accordance with requirements before using the device outdoors.

Power Requirements

- Install and use the device in strict accordance with your local electrical safety regulations.

- Use a UL certified power supply that meets LPS requirements if an adapter is used.
- Use the recommended cordset (power cord) in accordance with the specified ratings.
- Only use the power adapter supplied with your device.
- Use a mains socket outlet with a protective earthing (grounding) connection.
- Ground your device properly if the device is intended to be grounded.

Battery Safety

Please use batteries properly; otherwise, there is a risk of fire or explosion.

- **Warning:** Using incorrect battery models can lead to explosion.
- If you need to replace the battery, it is recommended that you go to an authorized service center or have it replaced under professional supervision. We shall not be held responsible for any issues arising from unauthorized battery replacement.
- When replacing the battery, be sure to use a battery of the same type as the original! Using the wrong model for replacement (such as certain types of lithium batteries) may cause safety protection to fail.
- Batteries must not be exposed to overheat environments such as sunlight, fire, as this may lead to fire, explosion, or combustion.
- Do not dispose of batteries in fire or heating appliances. Do not squeeze, bend, or cut batteries, as it may cause explosion.
- Do not expose batteries to extremely high or low temperatures, or to very low-pressure environments, as this may cause explosion or leakage of flammable liquid/gas.
- Dispose of the used battery according to your local regulations or the battery manufacturer's instructions.
- For products or the included remote control containing a button cell battery: Do not ingest the battery - chemical burn hazard! If swallowed, a button cell battery can cause severe internal burns within 2 hours and may be fatal. Precautions (including but not limited to):
 - Keep new and used batteries away from children.
 - Stop using the product and keep it away from children if the battery compartment is not securely closed.
 - If you suspect that a battery may have been swallowed or inserted inside any part of the body, seek immediate medical attention.

Network Security

Please take all necessary measures to enhance network security for your device.

The following are necessary measures for the network security of your device:

- **Change default password and set strong password:** You are strongly recommended to change the default password after your first login and set a strong password of at least nine characters including all three elements: digits, letters and special characters.
 - Do not include the account name or the reverse of the account name.
 - Avoid using consecutive characters, such as 123, abc, etc.
 - Do not use overlapping characters, such as 111, aaa, etc.
- **Keep firmware up to date:** It is recommended that your device is always upgraded to the latest version for the latest functions and better security. Visit Uniview's official website or contact your local dealer for the latest firmware.

The following are recommendations for enhancing network security of your device:

- **Change password regularly:** Change your device password on a regular basis and keep the password safe. Make sure only the authorized user can log in to the device.
- **Enable HTTPS/SSL:** Use SSL certificate to encrypt HTTP communications and ensure data security.
- **Enable IP address filtering:** Allow access only from the specified IP addresses.
- **Minimum port mapping:** Configure your router or firewall to open a minimum set of ports to the WAN and keep only the necessary port mappings. Never set the device as the DMZ host or configure a full cone NAT.
- **Disable the automatic login and save password features:** If multiple users have access to your computer, it is recommended that you disable these features to prevent unauthorized access.

- **Choose username and password discretely:** Avoid using the username and password of your social media, bank, email account, etc., as the username and password of your device, in case your social media, bank and email account information is leaked.
- **Restrict user permissions:** If more than one user needs access to your system, make sure each user is granted only the necessary permissions.
- **Disable UPnP:** When UPnP is enabled, the router will automatically map internal ports, and the system will automatically forward port data, which results in the risks of data leakage. Therefore, it is recommended to disable UPnP if HTTP and TCP port mapping have been enabled manually on your router.
- **Multicast:** Multicast is intended to transmit video to multiple devices. If you do not use this function, it is recommended you disable multicast on your network.
- **Check logs:** Check your device logs regularly to detect unauthorized access or abnormal operations.
- **Isolate video surveillance network:** Isolating your video surveillance network with other service networks helps prevent unauthorized access to devices in your security system from other service networks.
- **Physical protection:** Keep the device in a locked room or cabinet to prevent unauthorized physical access.
- **SNMP:** Disable SNMP if you do not use it. If you do use it, then SNMPv3 is recommended.

Learn More

You may also obtain security information under Security Response Center at Uniview's official website.

Avertissement de l'utilisation de la batterie

- Lorsque utiliser la batterie, évitez:
 - Température et pression d'air extrêmement élevées ou basses pendant l'utilisation, le stockage et le transport.
 - Remplacement de la batterie.
- Utilisez la batterie correctement. Mauvaise utilisation de la batterie comme celles mentionnées ici, peut entraîner des risques d'incendie, d'explosion ou de fuite liquide de gaz inflammables.
 - Remplacer la batterie par un type incorrect;
 - Disposer d'une batterie dans le feu ou un four chaud, écraser mécaniquement ou couper la batterie;
- Disposer la batterie utilisée conformément à vos règlements locaux ou aux instructions du fabricant de la batterie.

Regulatory Compliance

FCC Statements

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Visit https://global.uniview.com/Support/Download_Center/Product_Installation/Declaration/ for SDoC.

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

LVD/EMC Directive



This product complies with the European Low Voltage Directive 2014/35/EU and EMC Directive 2014/30/EU.

WEEE Directive-2012/19/EU



The product this manual refers to is covered by the Waste Electrical & Electronic Equipment (WEEE) Directive and must be disposed of in a responsible manner.

Battery Regulation- (EU) 2023/1542



Battery in the product complies with the European Battery Regulation (EU) 2023/1542. For proper recycling, return the battery to your supplier or to a designated collection point.

1 Packing List

Contact your local dealer if the package is damaged or incomplete. The package contents may vary with device model.

No.	Name	Qty	Unit
1	Access controller (hereinafter referred to as "controller")	1	PCS
2	Screw components	1	Set
3	Wiring terminal ⁽¹⁾	1	Set
4	Key	1	PCS
5	Product documents	1	Set

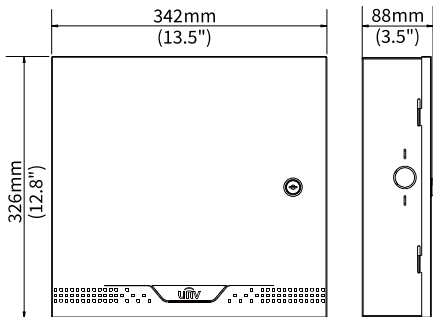
Remarks:

(1) The type and number of wiring terminals vary with the device model.

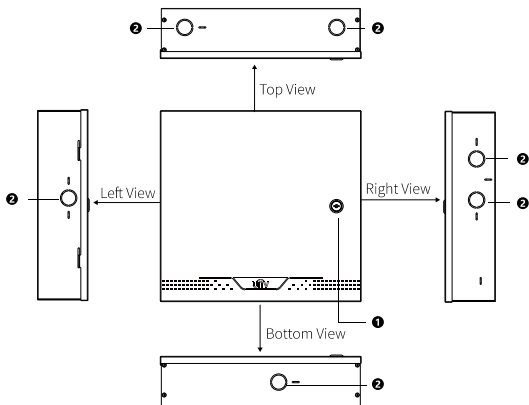
2 Product Introduction

This guide applies to single-door controllers, two-door controllers, and four-door controllers. The dimensions and structure may vary with the device model.

2.1 Dimensions



2.2 Structure



1. Key hole	2. Cable holes
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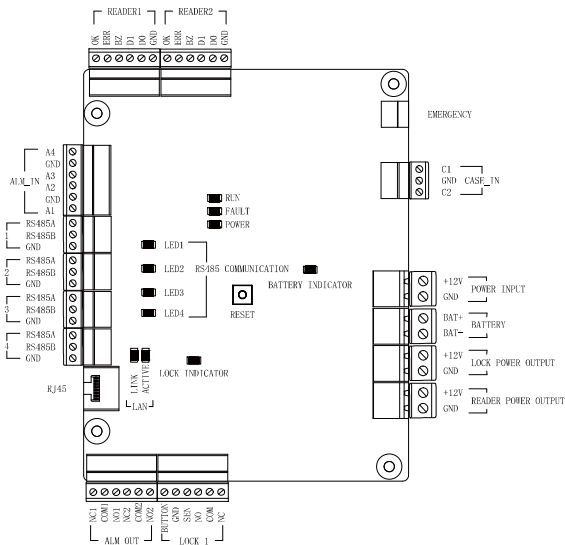
2.3 Wiring Description



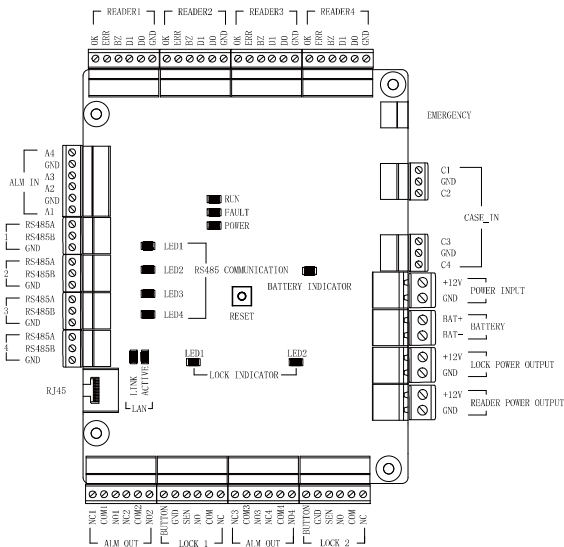
NOTE!

- Each RS485 interface supports up to 4 card readers connected simultaneously.
- To enable fire alarm linkage, the fire alarm interface must be connected to a fail-safe lock.
- When a fire alarm is triggered, the access controller cuts off power supply to the door lock; whether the door locks or unlocks upon power loss depends on the type of lock (fail-safe or fail-secure) and the wiring method.

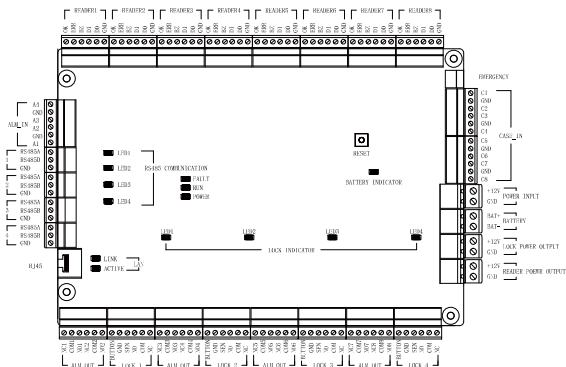
1 Single-Door Controller



2 Two-Door Controller



3 Four-Door Controller



2.4 Indicator Description

Name	Status	Description
RS485 communication indicator	Blinking	Transmitting data.
	Off	Not transmitting data.
Fault indicator	Steady on	Fault occurs. Please address it.
	Off	No fault.
Operation indicator (RUN)	Blinking	The operation is normal.
	Off	System fault occurs. Please address it.
Power indicator	Steady on	Connected to power.
	Off	Disconnected from power.
Battery indicator	Steady on	Battery is charging.
	Slow blinking at 1Hz	Battery encounters a charging error.
	Fast blinking at 2Hz	Battery is not connected properly.
	Off	Battery is fully charged.

Name	Status	Description
Lock indicator	Steady on	Door is open.
	Off	Door is closed.
Network status indicator (LINK)	Steady on	Connected to network.
	Off	Disconnected from network.
Network data indicator (ACTIVE)	Blinking	Transmitting network data.
	Off	Not transmitting network data.

3 Installation Preparation

- **Installation location:** It is recommended to install the controller in a secure and discreet location with easy access for maintenance.
- **Device wiring:** Plan wiring before installation, including power cable, network cable, and Wiegand cable, etc. The number of tail cables depends on the actual networking conditions.

For Wiegand wiring, it is recommended to use twisted-pair shielded cables (wire gauge $\geq 0.5 \text{ mm}^2$), and the transmission distance should not exceed 80m.

- **Cable protection:** Protect all the cables with PVC or galvanized conduits.
- **Cable grounding:** Make sure the controller is properly grounded.
- **Tools:** Prepare ESD wrist straps or gloves, Phillips screwdriver, electric drill, and tape measure.
- **Voltage regulation:** If a slight voltage drop occurs (e.g., when the device is powering other devices through its power output interface), you can adjust the voltage using the primary power knob.
- **Power adapter:**

The access controller can provide one power interface for the door lock and one for the card reader for simultaneous use. It can support up to 4 door locks (12V, 0.5A each) and 8 card readers (12V, 0.1A each) at the same time. (The actual number of door locks and card readers supported may vary depending on the model of the access controller).

Use a separate power adapter in any of the following three situations:

- The voltage does not meet the requirements mentioned above.
- The total power of the connected door locks and card readers exceeds the rated value.
- The distance between the card readers or door locks and the access controller is too far, causing a significant voltage drop and insufficient power supply.

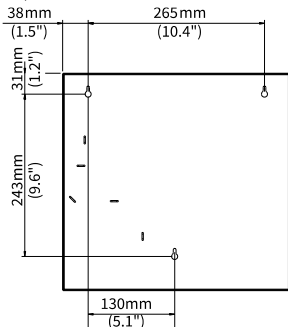
- **Battery specifications:**
 - **Voltage:** Must be 12V.
 - **Capacity:** Must meet the load current and the required operating time and have sufficient margin.

For example, if the required load current is 2A (calculated based on the actual use of door locks and card readers), and the operating time is 3 hours, then theoretically at least a 6Ah capacity is needed; however, since batteries have poor discharge capability at low battery levels, which may lead to unstable system operation; and overdischarge can damage the battery's lifespan.

4 Device Installation

The following takes the wall mount as an example.

1. Drill holes on the wall according to the holes on the back of the controller, and insert expansion screws.



2. Open the controller cover using the key, and punch through the cable holes.
3. Fix the controller to the wall.
4. Connect the power cable and other tail cables (see Wiring Description for details).



CAUTION!

- Be sure to disconnect power before connecting cables, otherwise the controller may be damaged.
- An appropriate disconnect device shall be provided as part of the building installation.
- The conductor of power supply cord shall be coppered with cross-section Min. 16AWG.
- All knock-out holes on the product must be equipped with a protective cover to prevent damage to the power cables or other components.
- Use sealed type batteries with a gas reducing mechanism.
- When installing and using the product, the selected lead-acid battery must comply with standards IEC 60896-21 and IEC 60896-22 or IEC 60896-11.
- The device connected to the lock power output 12 V D.C. interface must meet V-0 shell requirements.

5. Lock the controller cover using the key, and keep the key properly.

5 Startup

After the controller is installed properly, connect power to start it up. The device is ready for use after the power indicator is steady red.

6 Web Login

Default IP address

192.168.1.13

Default

username/password

admin/123456

Note:

For security, please set a strong password of at least nine characters including uppercase and lowercase letters, digits, and special characters. You are strongly recommended to regularly change the device password and keep it secure to ensure that only authorized users can log in.

Google Chrome, Firefox, and Edge browsers are recommended.