# Access Controller Deployment Guide

V2.00



Zhejiang Uniview Technologies Co., Ltd.

P1, Total 14

# **Revision History**

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#### NOTE!

• The main updates are in purple.

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## UNV Access Controller Scheme

## **1** Brief Introduction

#### 1.1 Scheme Components

The scheme mainly consists of three parts: access controller software (EZAccess), ER-SRX2 series access controllers and card readers, and PC and card issuers.

Device	Model
EZAccess software	Version: EZAccess_Win64-
LZACCESS SOILWAIE	R1123.1.15.1_doorController_02
Access controller	ER-SR12, ER-SR22, ER-SR42
IC card reader	EC-R1H-M
IC card reader (with keypad)	EC-R2H-MK
Multifunctional card issuer	EC-W1D-EMC

- EZAccess is mainly used for access controller management, personnel management, visitor management, access control, etc. Users can add persons on EZAccess, assign access cards including card passwords, assign door access permissions, and configure door opening methods. Users can view door opening events on EZAccess. EZAccess must be installed on a computer plugged with a card issuer and installed with the corresponding driver.
- The access controller is mainly used for access control. The access controller can control access when connected to magnetic locks and card readers. The controller sends door unlock events to EZAccess. If there's a door magnetic sensor on the magnetic lock, the controller will generate another set of

unlock and lock events. Without the sensor only unlock events can be generated.

## 1.2 Networking Diagram





## 1.3 Wiring Diagram

Figure 2 Wiring the card reader



Figure 3 Wiring the door lock



Figure 4 Wiring the card reader



Detailed wiring diagrams





one door.pdf tv

two doors.pdf four doors.pdf



#### 1.4 EZAccess Version and Driver



## 1.5 Deployment Preparation

Currently unavailable.

## **2** Software Requirements

#### 2.1 PC and software

1. Plug the EC-W1D-EMC card issuer into the computer, install the driver. The indicator on the card issuer is steady red. Download the EZAccess software package from Uniview official website and complete installation.

Figure 6 EZAccess Version and Driver



#### 2.2 EZAccess Configuration

1. Add device

Create EZAccess user > Log in to EZAccess > Device Management > Access Controller.

#### Figure 7 Device Management

EZAccess	Home Status Mon	itoring Device Manage	
Device Management ^	Q Auto Search + Ad	Id 🔟 Delete 📿 Ref	fresh 💿 Time Sync
Face Recognition	Device Name 🌲	IP Address 🌩	Port 🗢 Devi
Access Controller			
Device Upgrade $\sim$			

Click **Auto Search**. The **Auto Search** window appears. Choose the desired access controller and then click **Add**.

Figure 8 Auto Search

	EZA	Access Home	Device Manage				admin 🗸 🔒 🕐 – 🗆 🗙
Dev	Auto Sea	arch	1	-) () (			×
F	+	Batch Add		IP Address:	-	Status: All 🗸	Q Auto Search
		Status	IP Address 🌩	Port	Model	Serial No.	Operation
Dev		•No	204.4.1.167	8000	ER-SR42-	ER-SR42-42094002	+
		●No	204.4.1.167	8000	ER-SR42-	ER-SR42-42094002	+
		●No	204.4.1.167	8000	ER-SR42-	ER-SR42-42094002	+
							5
			Total 3	3 < 1 > 20/pa	ge 🗸 Go to 1		

In the **Add** window, enter the device name and password, click **OK**. The access controller is added successfully.

Note: FFFFFFFF is the initial password for all access controllers.

#### Figure 9 Add Device

ev	Auto Sea	arch			1		
F	+	Batch Add		Add			× All
		Status	IP Adere	* Device Name:			
				*IP:	204.4.1.167		
v		No	204.4.1	* Port:	8000		-4.2094002
		No	204.4.1.1	*Password:			-4.2094002
		●No	204.4			OK Car	1cel -4.2094002

The successfully added access controller shows the "online" status.

#### Figure 10 Status

Z EZAccess	Home Device Mar	nage				admin	~ <b>≙</b>
Device Management 🔷	Q Auto Search + Ad	id 🔟 Delete 💭	7 Refresh 🖸 Time	Sync			
Face Recognition	Device Name 🌲	IP Address 💠	Port 🌩	Device Type	Model 🌩	Status 🌩	Operation
Access Controller	111	204.4.1.167	8000	Access Controller	ER-SR42-	Online	1 T
Device Upgrade $\sim$							
							5
			Total 1 < 1	> 50/page	Go to 1		潮活 Windov

2. Add person

On the page as shown below, add departments on the left-side tree. Click **Add** on the right to add persons; or import a department and then import persons.

Figure 11 Add Person

			adn	in 🗸 🔒 🕐 – 🗆 🗙
EZACCESS	me Personnel Mana Access Control	Visitor Managem		
Department	Name:	ID No.:	Search	
Please enter keywords.				
🛲 dept 🕂 🥒	+ Add III Delete 25 Assign Perso	Batch Import	Download Template	t pictures
	A Get Personnel			
1	Person ID			
	A Name Gender	Department ID No.	Card Number	Phone Operation
· · · · · · · · · · · · · · · · · · ·				
add department	add personnel			
		No Data		
				G
		Totario C 1 20/page ~	G0 t0 1	激活 Window

3. Configure doors

After all the persons are configured, go to **Access Control** > **Access Permissions**. After an access controller is added, the doors under it are added automatically. There's no need to add doors manually. Now you only need to assign permissions.

Figure 12 Assign Permissions

PTS

🛃 EZAccess	Home Personnel Mana Access 0	Control	ad	min 🗸 🔒 🕜 – 🗆 🗙
Access Permissions	+ Add Permission 🗊 Delete 📿 Refrest	1		
Schedule Template	Permission Name ≑	Schedule Template	Status	Operation
		No Data		
				<b>A</b>
		Total 0 < 1 > 20/page	Go to 1	
				潮灯古 Window

4. Add card passwords

On the page as shown below, the upper half part shows person info, and the lower half part shows card info. Choose the serial port connected with the card issuer, click **Read**. Put the card on the EC-W1D-EMC card issuer. A card number is generated in the card number column, click **OK**. The card number becomes effective.

If you choose password, the door will be opened using a password.

If you choose card number, the door will be opened using a card.

If you choose card number + password, the door will be opened using card number and password.

Note: Cards can be added and assigned on the **Personnel management interface** only; not on other pages.

Figure 13 Add Card Passwords

atanta						admin 🗸	≜ ⊘ - □ ×
EZAcce	Visitor Registration					×	
Visitor Registration		0 —			2		
there is the second sec		Complete Basic Info			Assign Access Permission		
Visitor Records	Basic Information						
	*Name:			Total Visitors:			Operation
	Gender:	• Male	O Unknown	Organization:			
	Phone:			Person to Visit:			
	Remarks:		Ent	Dept. to Visit:	to open the door		
	Card Information	L					
	Read Mode:	• Local O Remote		<ul> <li>select the serial</li> </ul>	l port		
	Serial Port for Card	Serial Port1	✓ Read				
	ID No.:			Card Number:			
	Card Password:		Er	iter the card pas	sword		
	Photo (It is recommend	ded to upload no more than 6 im	ages. Range from 10KB to 51	2KB and 1080*1920px. JPG o	only).		
	+						5
	Reset				Next	Cancel	

5. Access permission

Go to Access Control > Access Permissions Click Add Permissions. In the window as shown below, enter the permission group name, choose doors you want to assign

permissions, and then click lacksquare

3.3		
->	>	
	•	
		۰.

Figure 14 Access	Permission
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💆 EZA	CCCESS Home Personnel Mana Access Centrol Visitor Managem	admin	~	<b>≙</b> (	? -	□×
Access Permi	Add Permission			×		
Schedule Tem	3 Select Door Select People					
	Permission Name:					
	Please enter keywords.     Q     Selected(0)       Image: Controller     Device Name					
	□       111         □       If □ Door1         □       If □ Door2         □       If □ Door3         □       If □ Door4	Data				
	Total 0         <					
	Ned		Cancel	」 注	产于 \\	/indo

Click Next. Select persons you want to assign access permissions, click Land, and then click Save. The card numbers, passwords, and person info are sent to the controller, and during the specified time period, doors can be opened through the card reader on the controller during the specified period.

Figure 14 Assign Access Permissions

💆 EZA	ICCESS Home Pers	onnel Mana Acc	cess Control	Visitor Managem		:	admin 🗸	•	⑦ - □ ×			
Access Permi	Add Permission							×				
Schedule Tem	\$	Gelect Door				Select People						
	Permission Name: 777		Schedul	le Template: default	~ -	÷						
	Person		Selected(0)	)			_					
	Please enter keywords.	Q	E P	Person ID	N	lame						
	E C A dept							-				
		>>										
		~~			No Data							
				Total 0 < 1	20/pag	e v Go to 1						
						Previous	Cance	1	6			
				Zurpay	000			26	k = Minder			

## 2.3 Pass-Thru Records

Click Pass-Thru Records. The Real-time Records page is displayed.

You can view real-time pass-thru records.

🛃 EZAccess	Home	Personne	el Mana	Access Control	Status N	Aonitoring					n 🗸 🔒 (	② - □ ×
Realtime Monitoring >	引 Open	Door Remotely	C Refres	h						Plea	ise enter keyword:	s. Q
History Records	111 Door1	111 Door2	111 Door3	111 Doord								
	Time	Device Nam e	Name	Personal ID	Department	Authenticatio n	Card Numbe	Mask Status	Temperature (°C)	Snapshot	Library Phot o	Operation
						No	Data				澎	送 Window

#### Figure 15 Real-time Records

The History Pass-thru Records page shows historical pass-thru records.

Figure 16 History Records

F7Access						_						≜ ⊘ −	□ ×			
	Home Personnel Ma	ina	Access Con	trol Sta	tus Monitorin											
Realtime Monitoring	Please enter keywords. Q Start and End Time C 2023-04-06 00:00 - 2023-04-06 23:59 Today Last 7 days Last 30 days Curren											rrent month				
History Records	E All dept	All Access control device SelectedDevice: 1 Mask All V Temperature('C)						re(°C)	-							
	Search															
	Stranger	Export Sync Pass-Thru Records														
		Time	Device N ame	Name	Personal ID	Departmen t	Authenticat ion	Card Nu mber	Mask Sta tus	Temper ature (°C)	Snapshot	Library Ph oto	Oper ation			
							No Data	3					5			
					Total 0	< 1	> 20/	page 🗸	Go to 1			海松手 \ /	lindo			

Pass-thru records show different contents for staff members, visitors, and strangers.

- For staff members, three fields are displayed: name, person ID, and department.
- For visitors, only the visitor name field is displayed.
- For strangers, all the three fields are empty.