SC921 Single-Door Access Controller

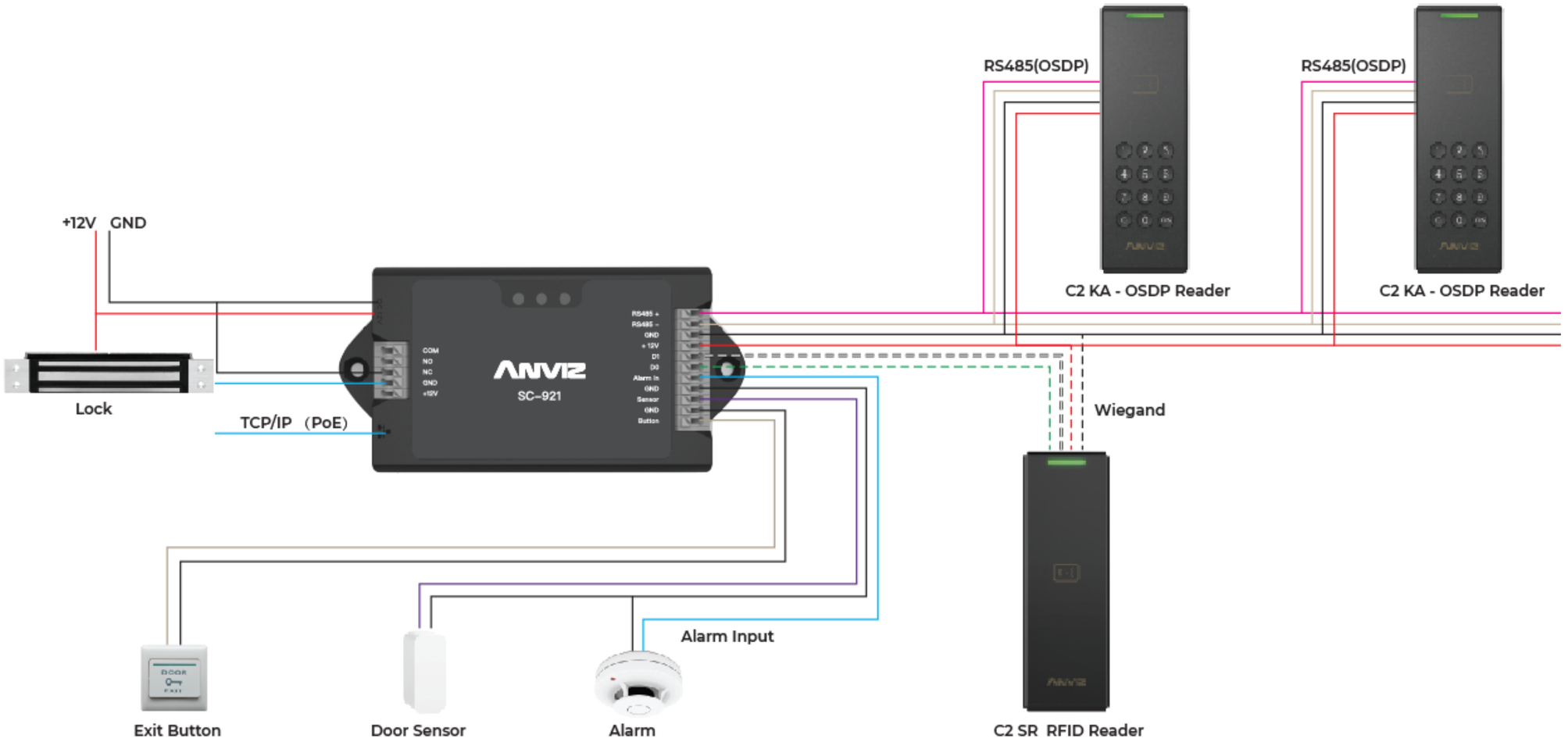
User Manual v1.0

2024-5

Sac921 Single-Door Access Controller

Complete solution for single door access control with multiple readers.
* Power over Ethernet variant connects directly to a building's structured cabling.
* PoE can provide up to 1A to drive a lock (recommend 1A total
* average to allow for power spikes).
* High-speed RS-485 connectivity with to downstream devices. (OSDP)
* Onboard support for 5 inputs for all power, door, and alarm sensors. Note: only four inputs available on the Wiegand Reader. *• 1 x Door Access Control
• 3,000 Cardholders
• Storage for 100,000 offline events • 16 Access Groups & 32 Time Zone

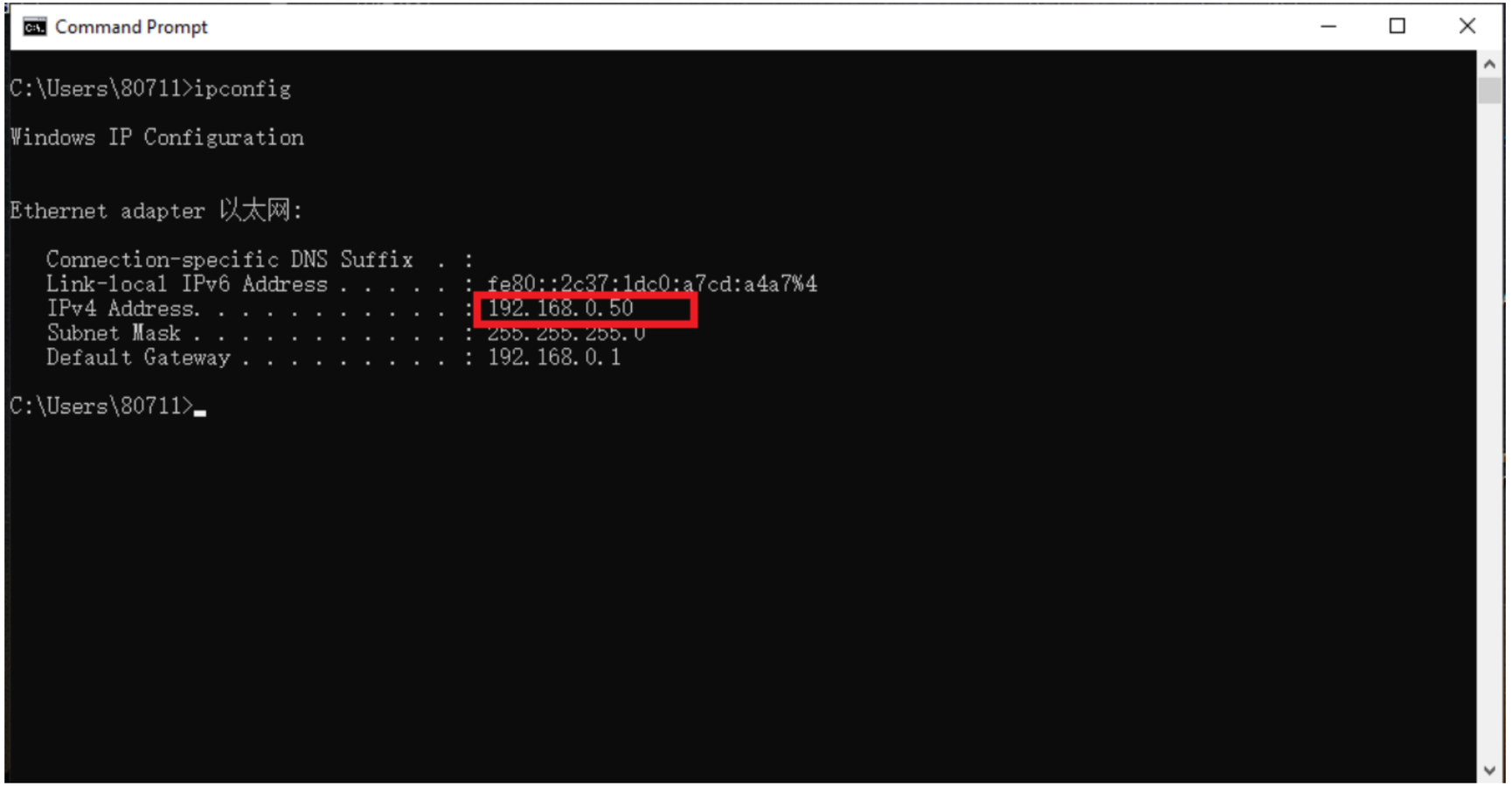
Wiring Diagram



Device Management

Sac921 uses Web Server to manage the device. Before management the terminal please check the PC’s network is at same network segment in the network.
The sac921 default IP address is: 192.168.0.218 / User Name: Admin / Password: 12345.

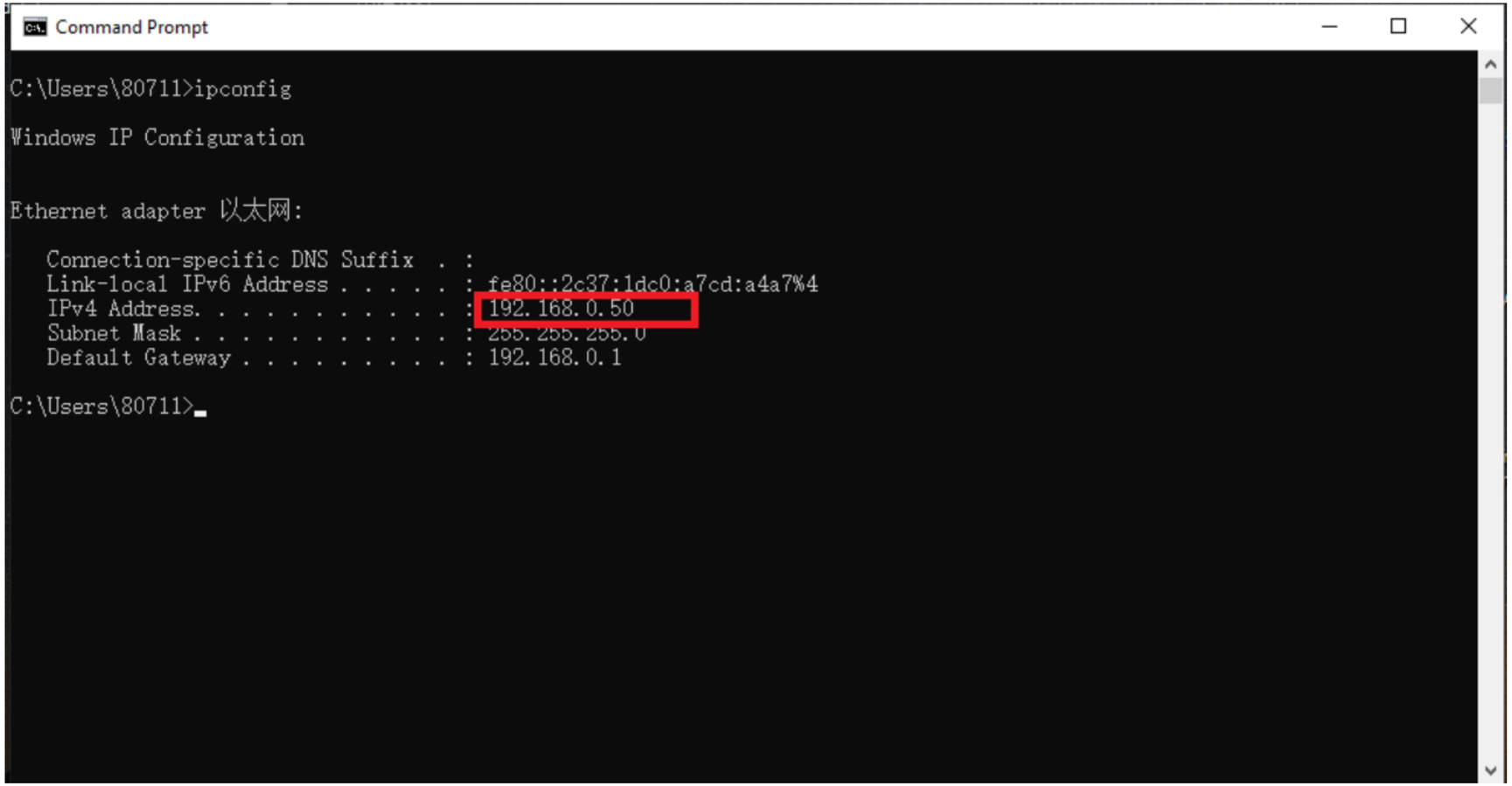
Step one: Confirm your computer IP



Device Management

Check IP&Device Connection

Step two:
Check the device IP address in the device and ensure the port is the same as the computer. In the example, default device ip is 192.168.0.218
Step three:
Connect the device with computer via TCP\IP.You can confirm if TCP\IP is ok in picture below.
Step four:
Open google chrome and visit login page



Device Management

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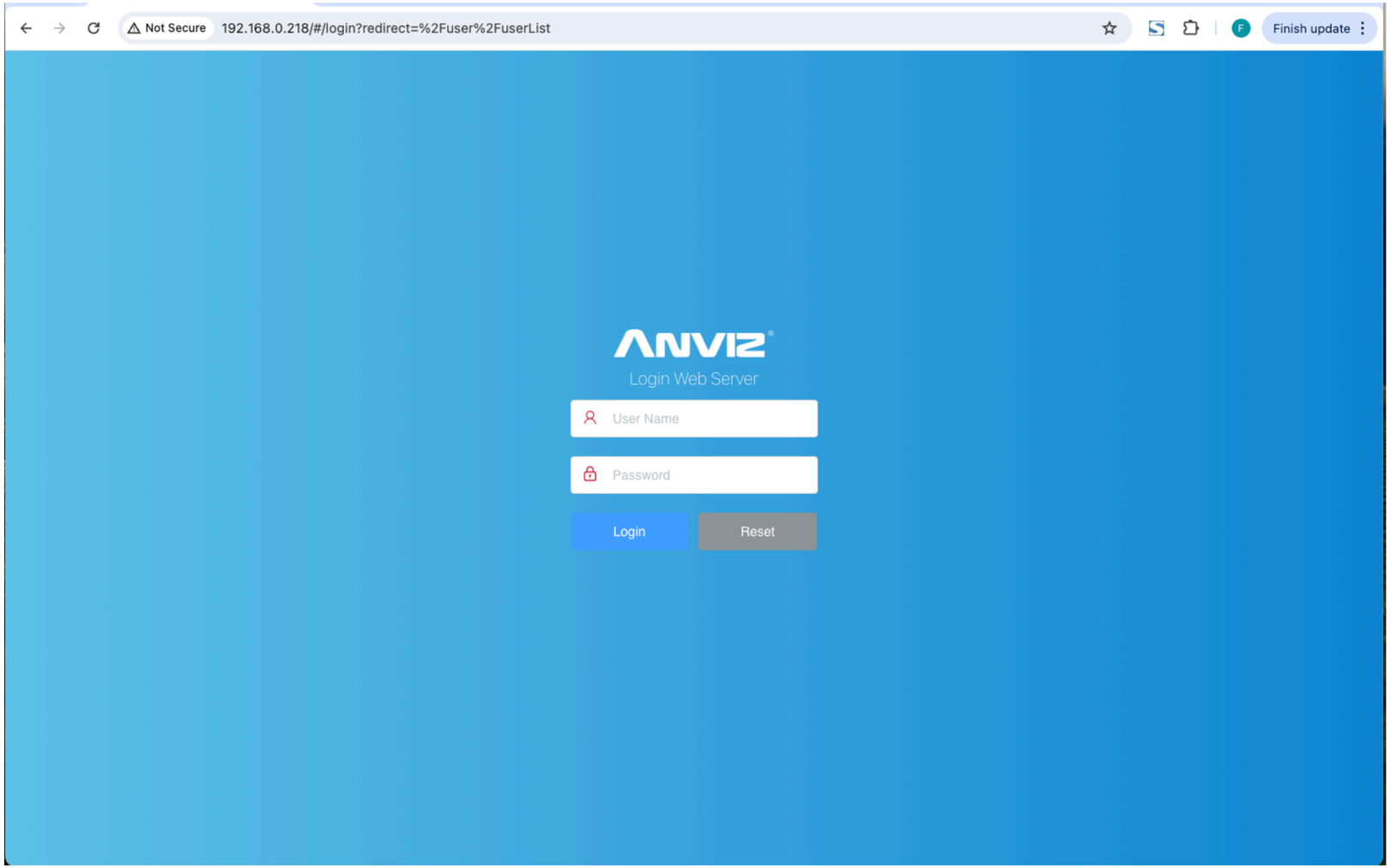
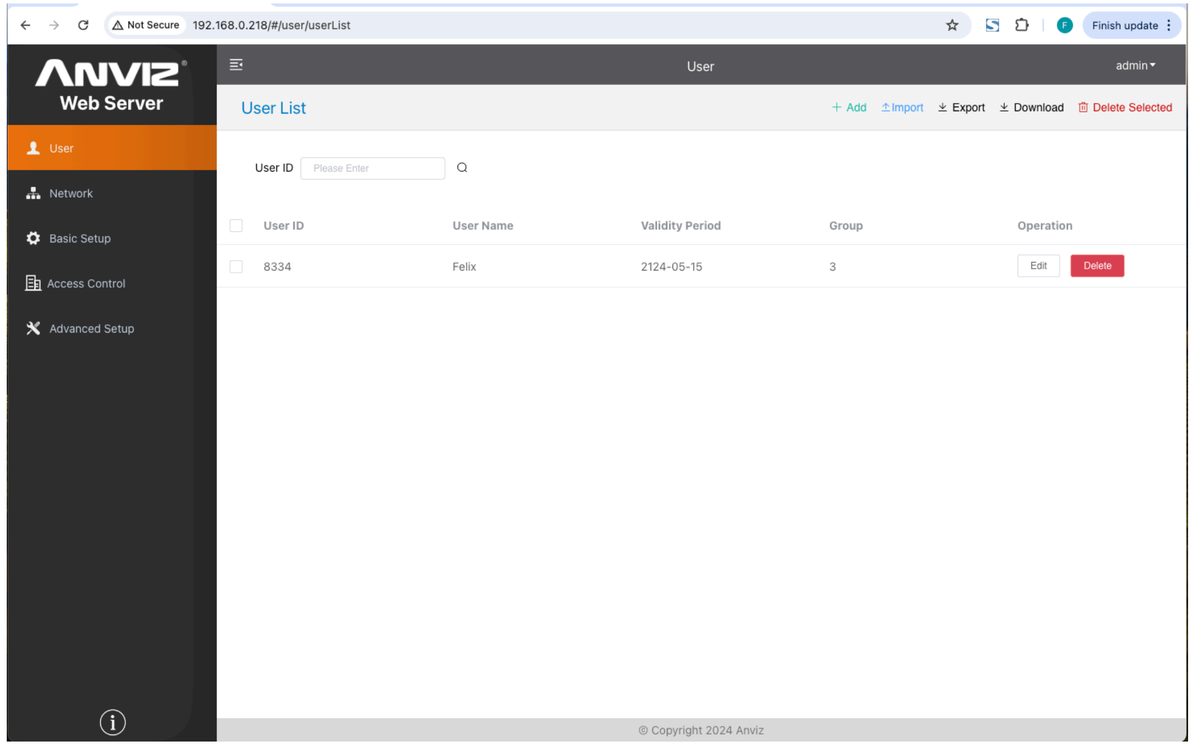
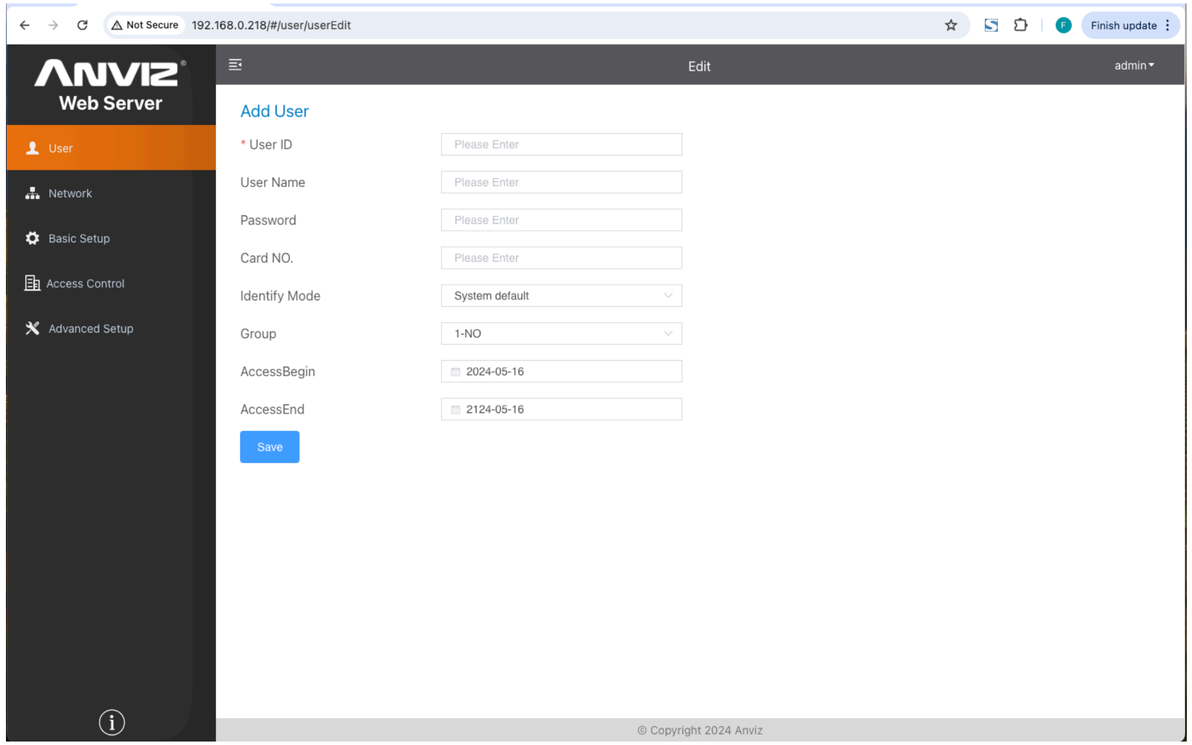


User Management

The User Page to edit user information and register user.





Add User

User ID：Input user id number as System Employee Unique Identifier

Password：user verify password

Identify Mode：support RFID Card， ID+Password and RFID Card + Password

User Namer：Input User Name

Card No：Display user verify card number

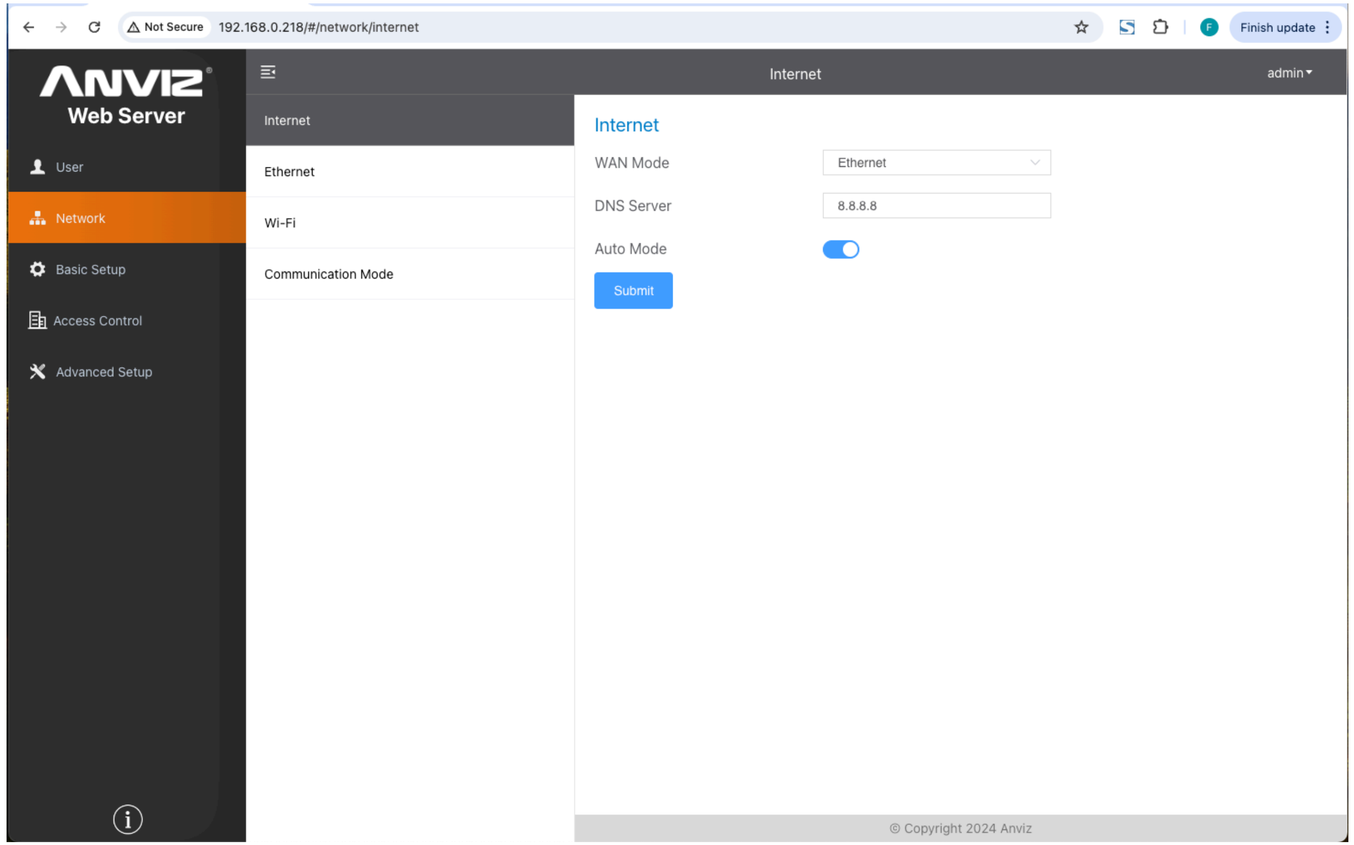
Group：select the access control group for user.

Personnel Validity Period: Set the start date to the expiration date.

Click "Download" to download the user EXCEL template, manually edit personnel information, and support the import and export of personnel information.

Network- Internet

Sac921 support the The “Internet” option setup the hardware’s network work mode: Ethernet (Cable) or WIFI.
WAN Mode：Select the internet connect mode : Ethernet (Cable) or WIFI. And the device’s DNS address.
Auto Mode：The device connected with WIFI or Ethernet (Cable), the device will automatic to connect internet with best way.

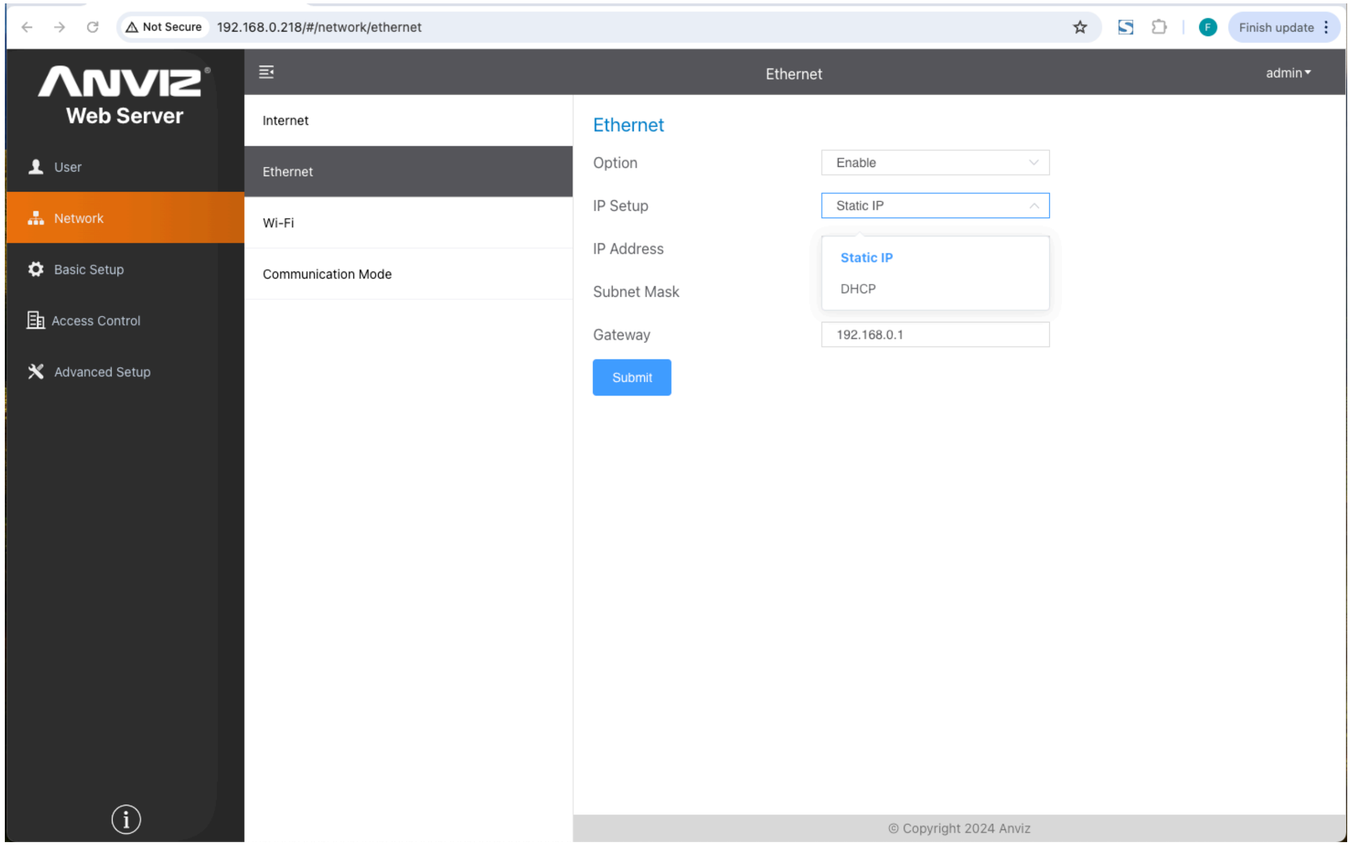


Network- Ethernet

Option：Active Ethernet mode

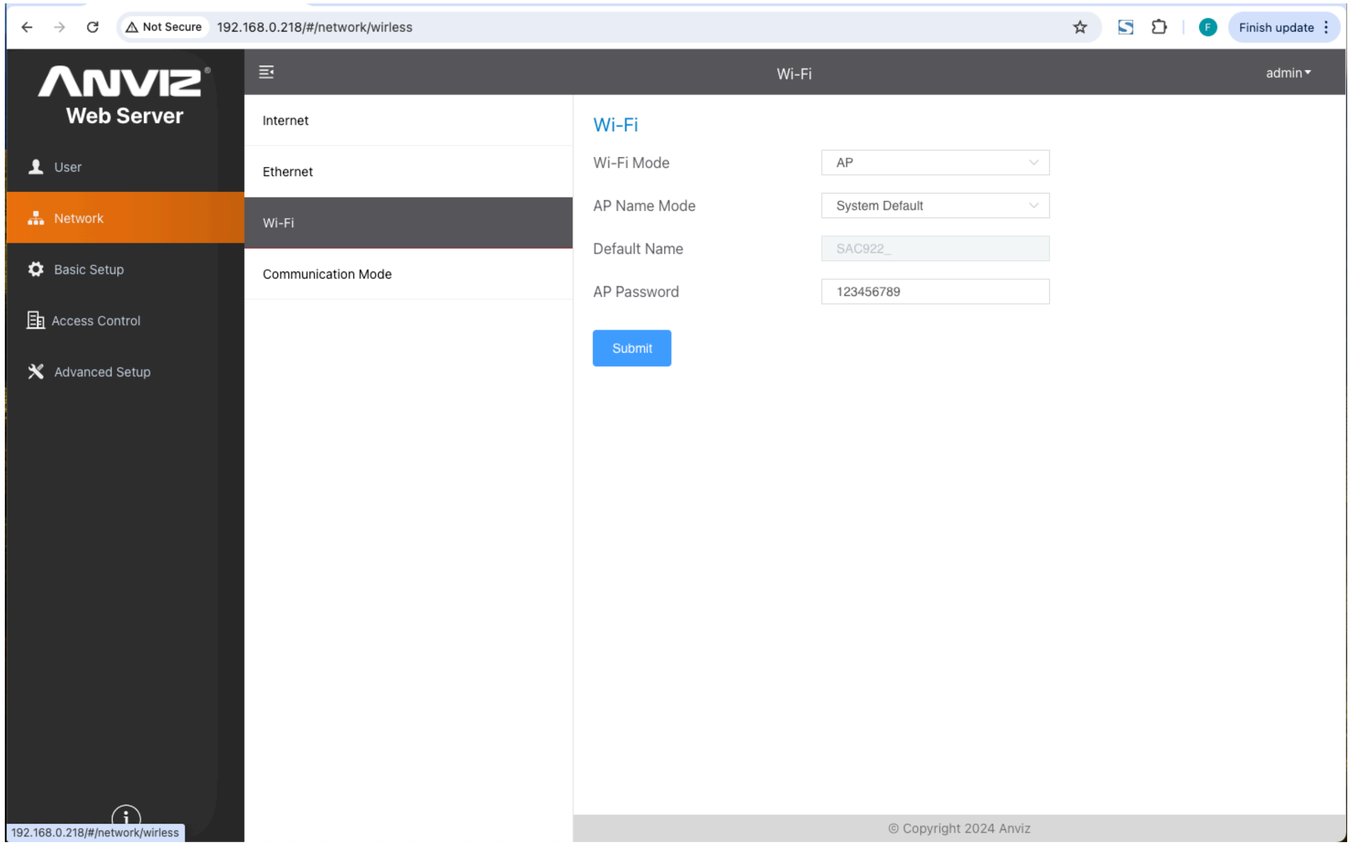
IP Setup：Select the Static IP or DHCP to get the device network information.

Manual input or check device network information.



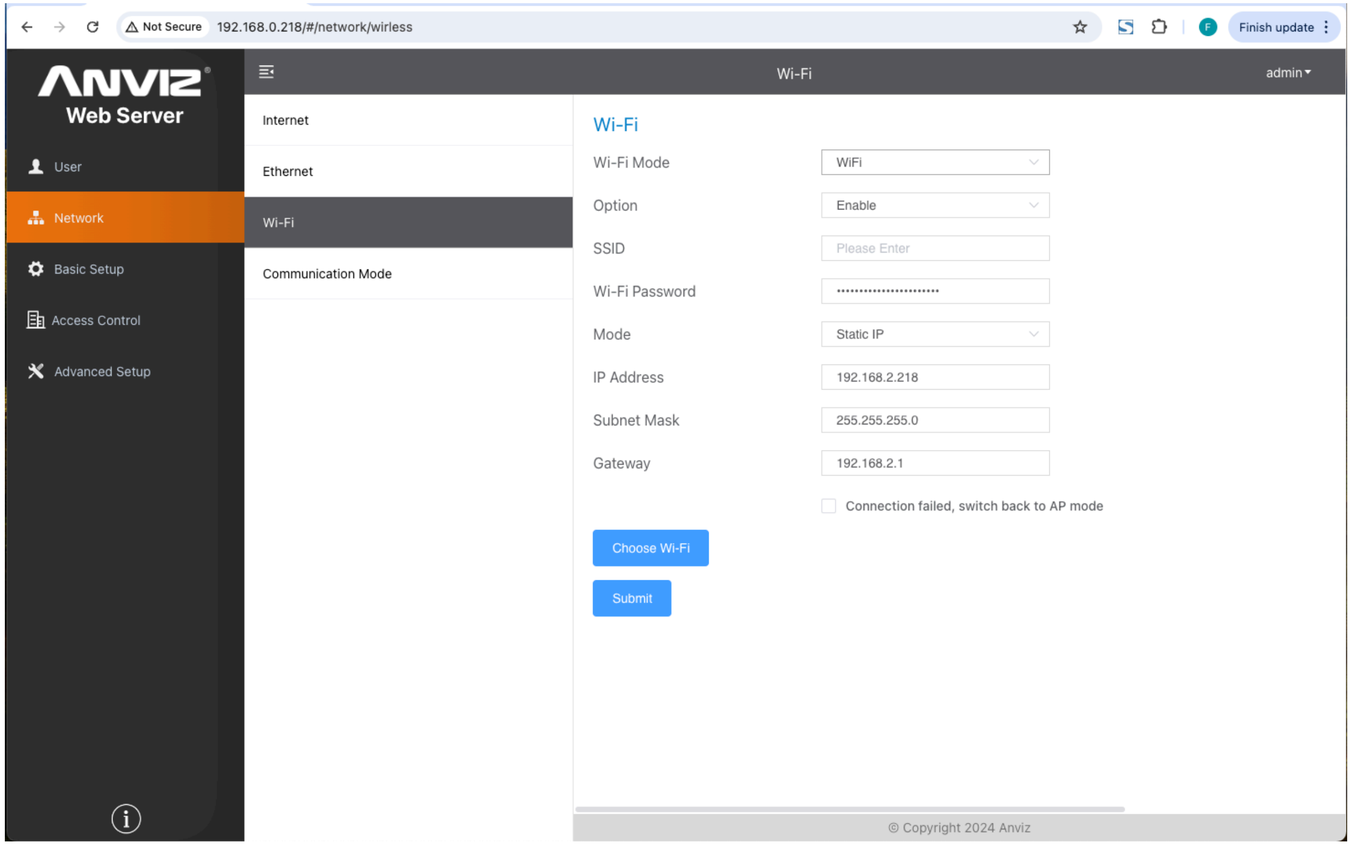
Network- WIFI

WIFI Mode：Select AP or WIFI，　AP mode：Device work as WIFI AP. The device can be connected by WIFI to manage the device via the Webserver.
AP Name Mode：Manual named the AP or user default
Default Name：Display the AP name.
AP Password：display the AP connection password.



Network- WIFI

WIFI Mode：Select WIFI,
Option：Active the option
SSID：Input the wifi name (SSID Namer)
WiFi Password：Input WiFi connections password.
Manual input or check device network information



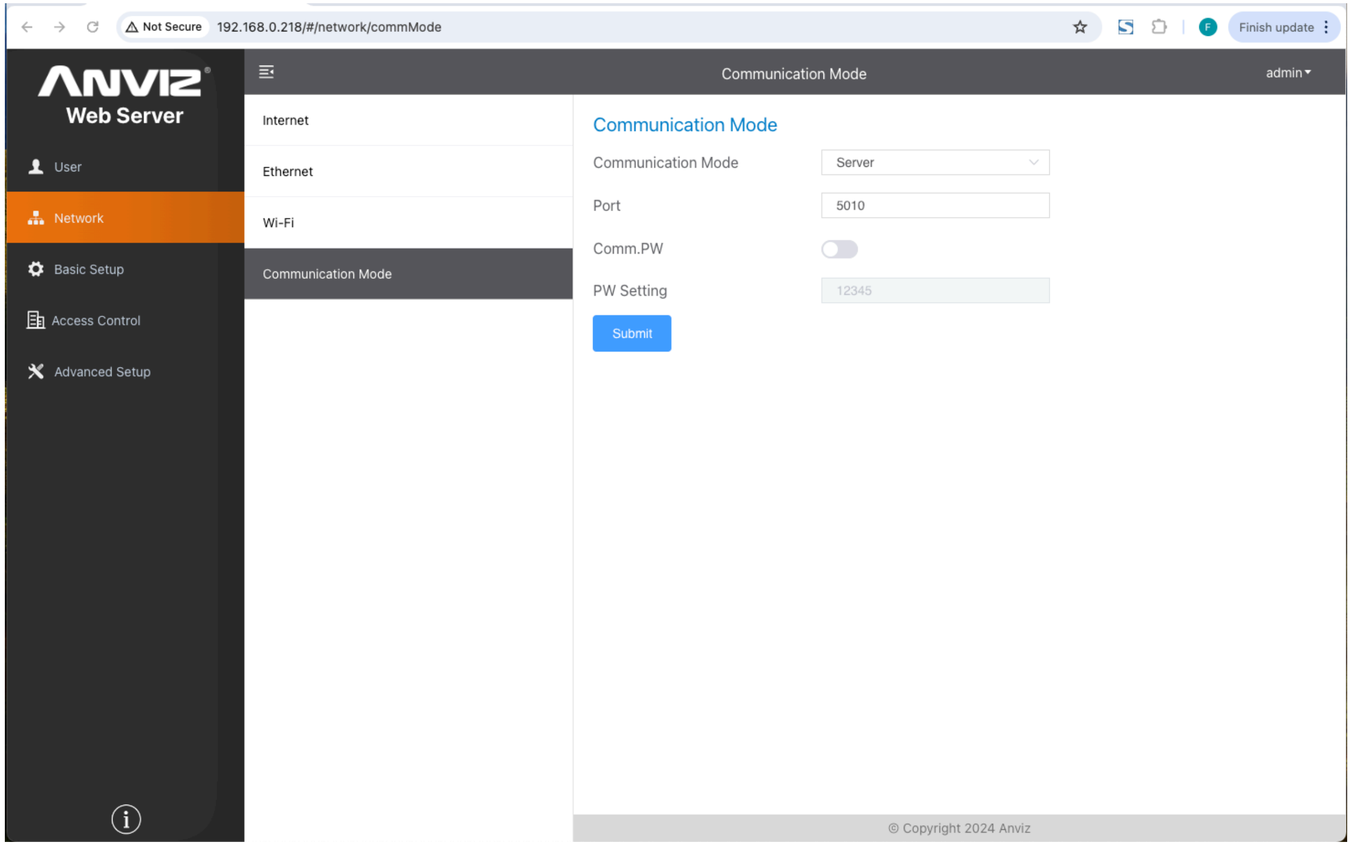
Network- Communication Mode

Communication Mode：Select the Server or Client mode for device

Port：The network communication port. Device Default port is 5010.

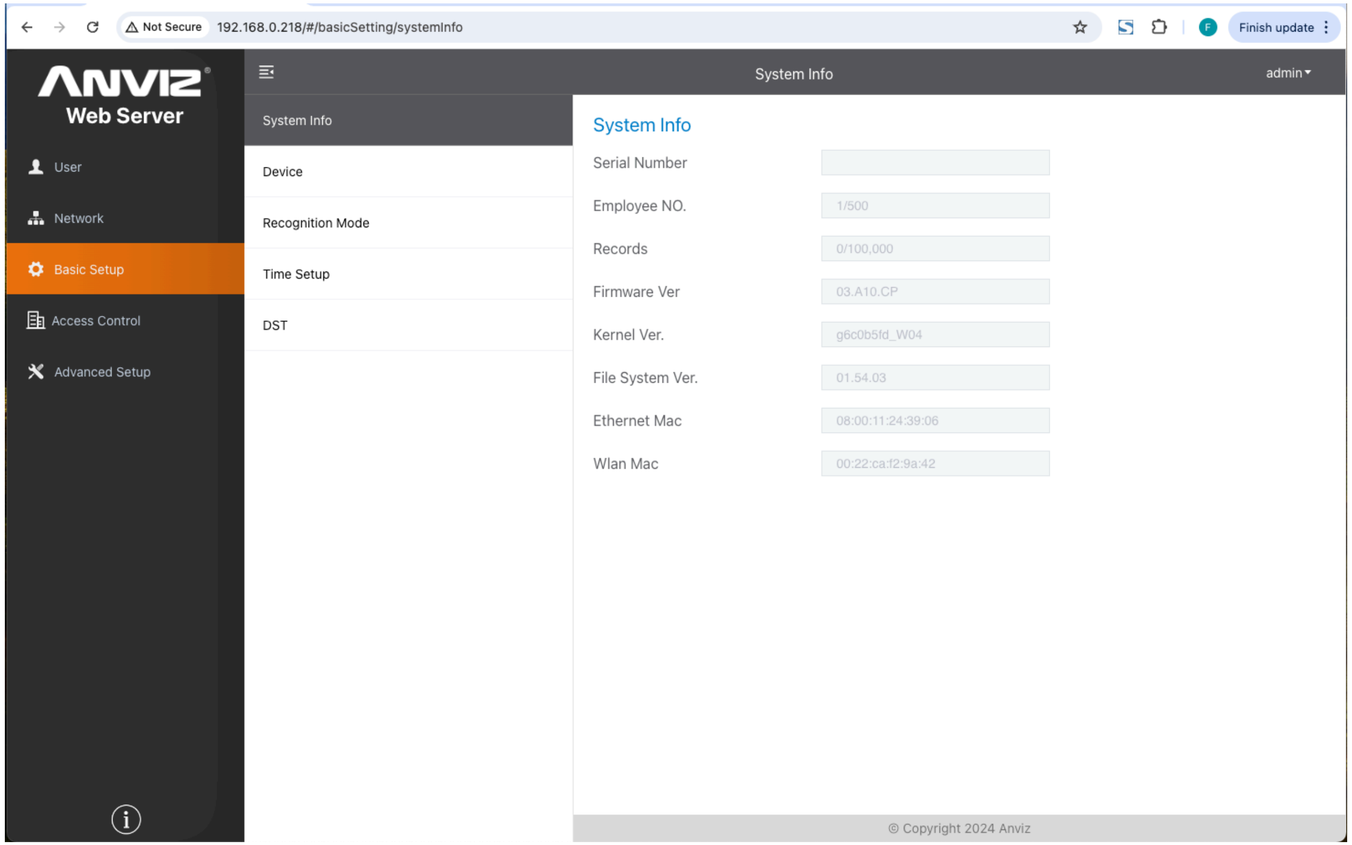
Comm PW：Active the communication password

PW Setting: Active and setup device network communication password, The application software need password to connect with device.



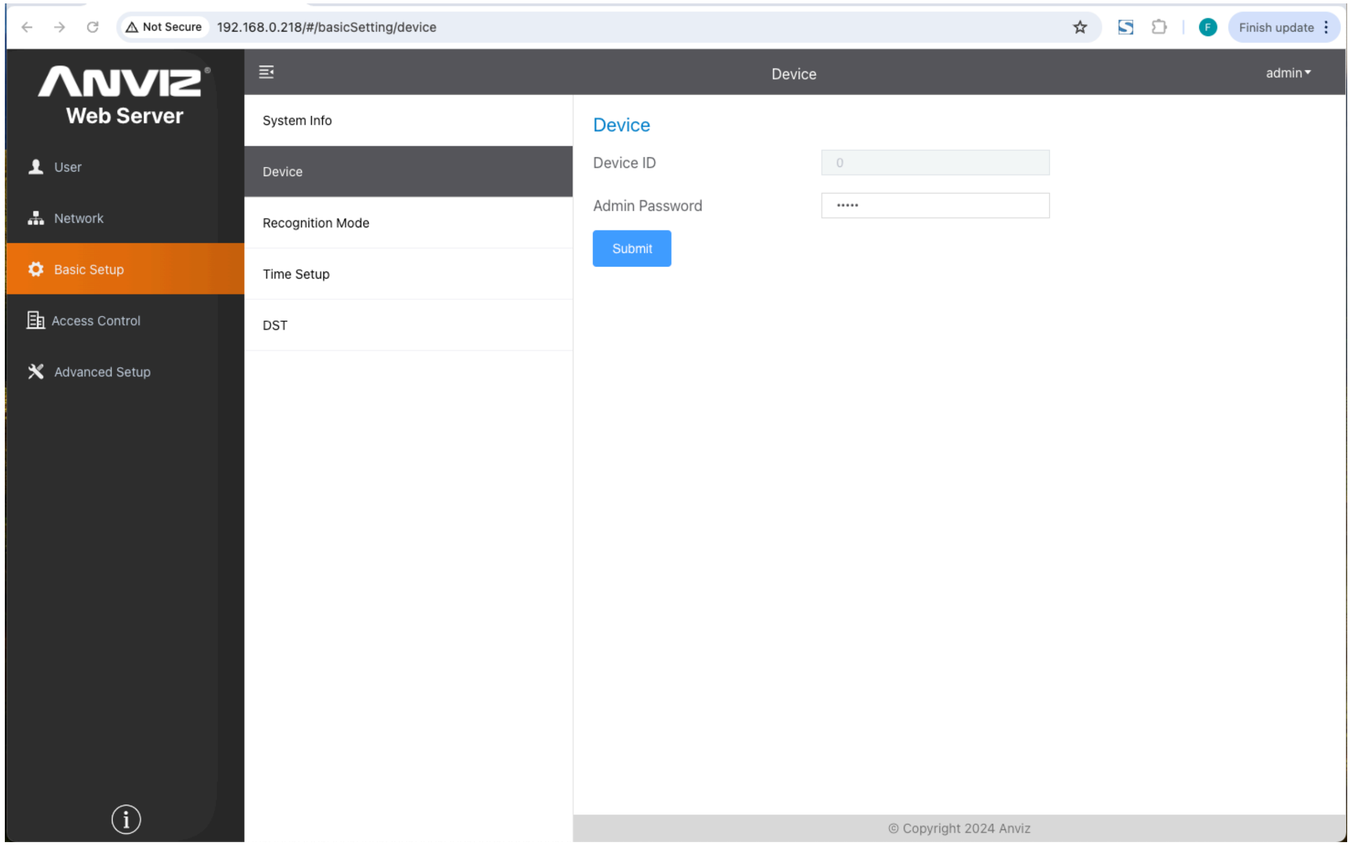
Basic Setup-System info

The hardware basic parameter information,(Serial Number, Firmware Version, User and Record Capacity ect.)
Ethernet MAC：Ethernet MAC address
WIFI MAC：WIFI MAC address



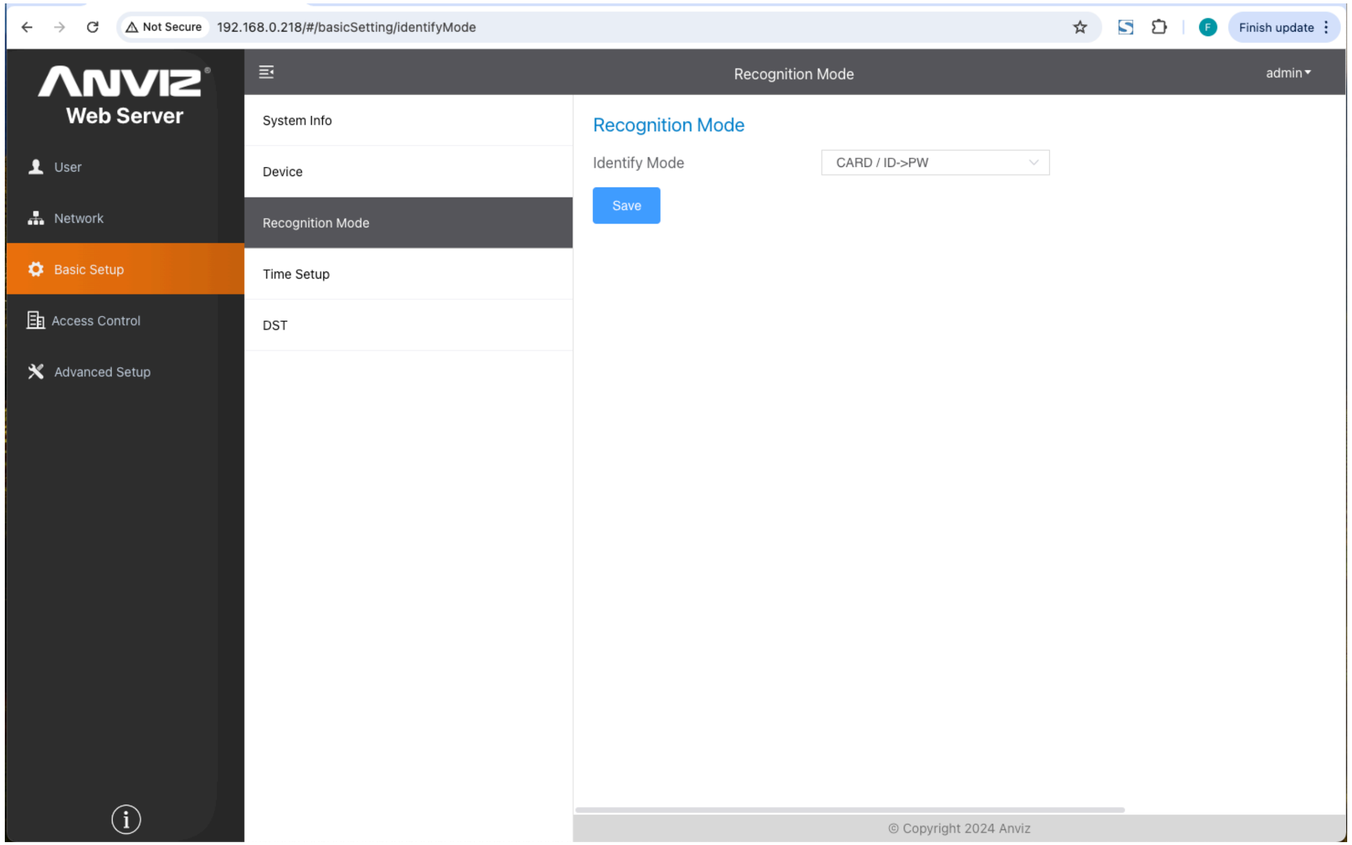
Device Setting

Device ID：Device ID number
Admin Password：Webserver login password



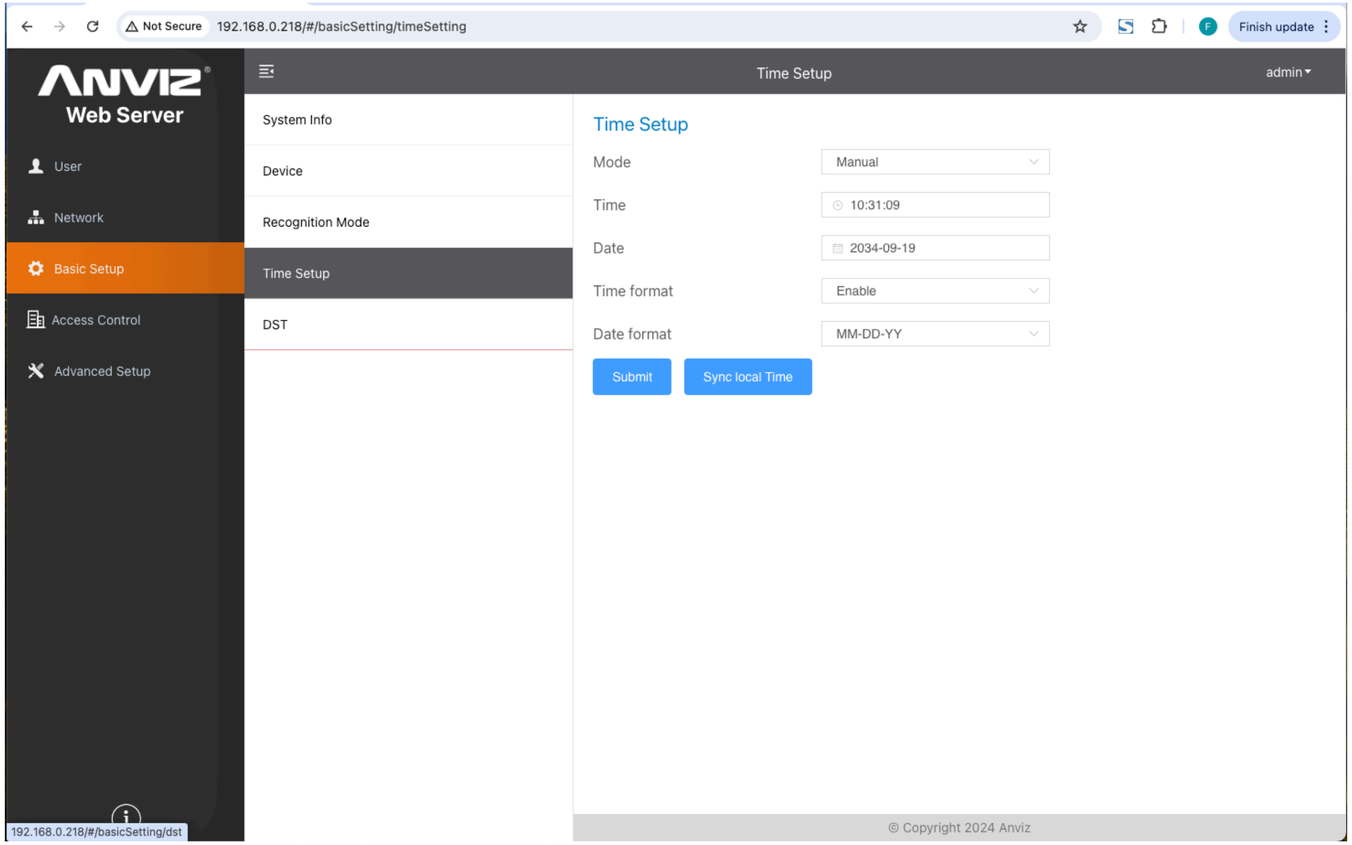
Recognition Mode

Identify Mode： **Setup the device default verify mode. Support the RFID Card, ID+Password, Card+Password**



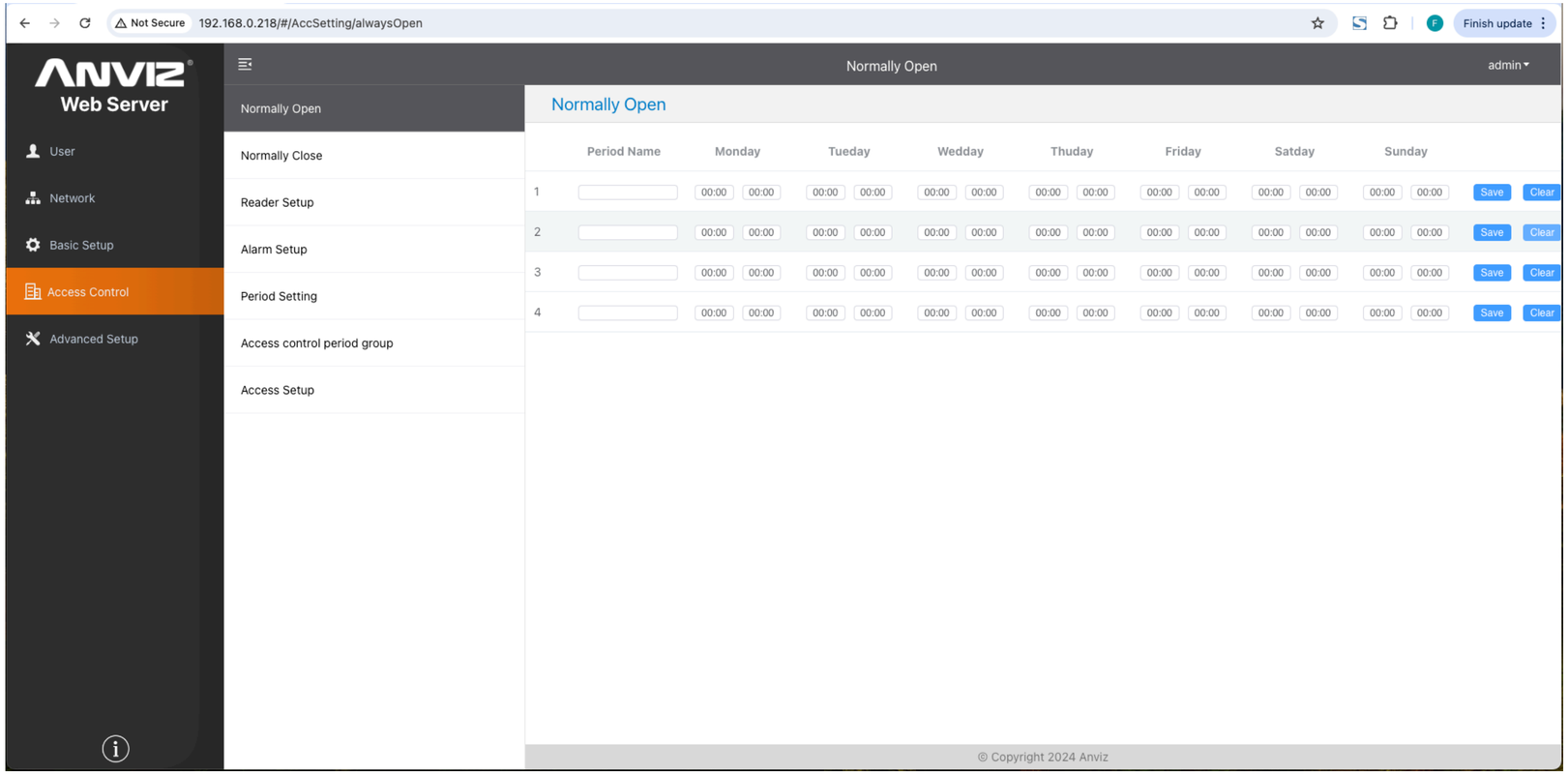
Time Setup

Mode：Manual and automatic
Time Format：Setup Time Display，24 or 12
Date Format：Setup Date Display MM-DD-YY, YY-MM-DD or DD-MM-YY



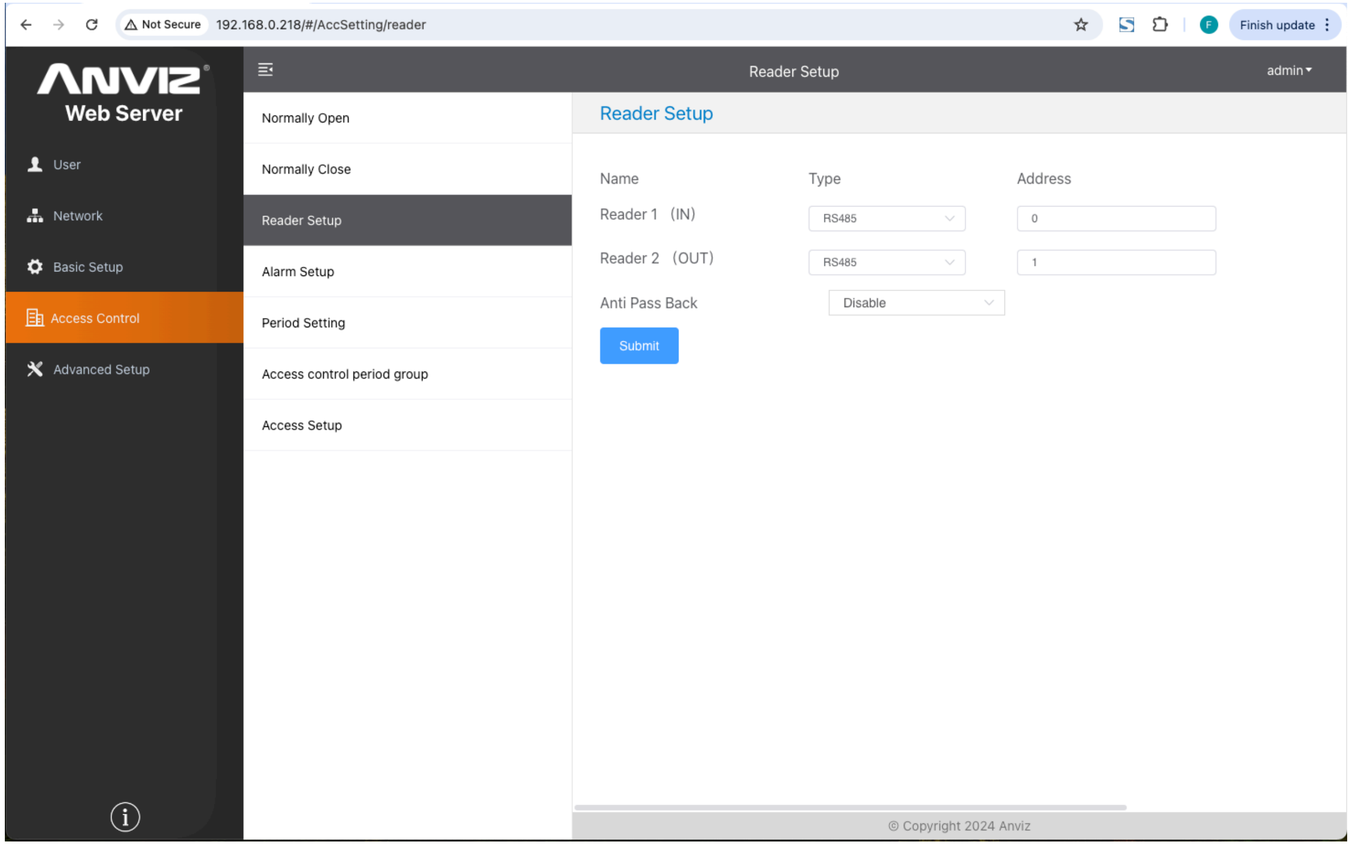
Access Control-Normally Open/Close

Normally Open/Cloud：To set the device to control access for either normally open or normally closed time periods. Using a 7-day week as a cycle, it cycles through periods of keeping the access control either constantly open or constantly closed.



Access Control-Reader

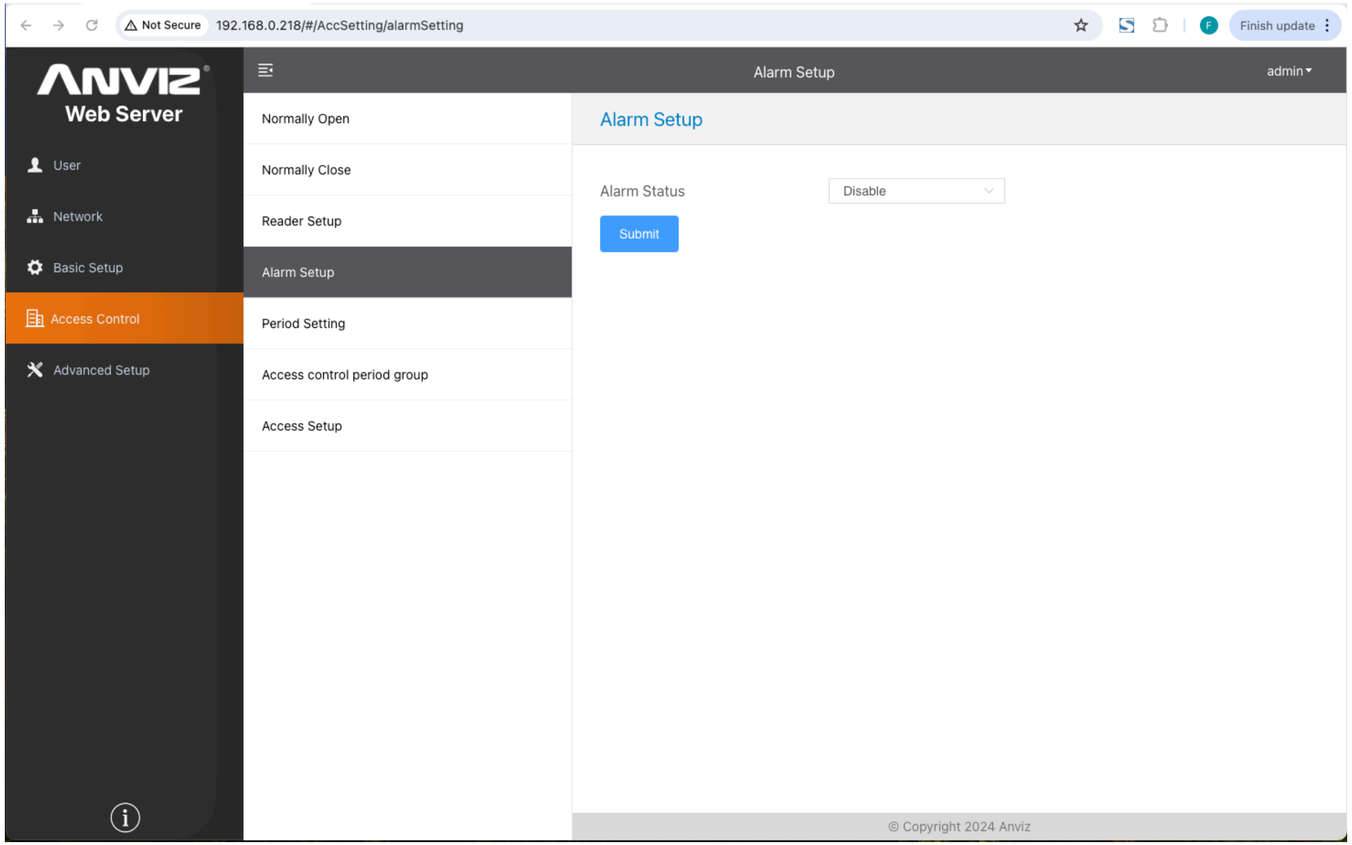
SAC921 access control support the Wiegand Reader and RS485 Readers.
Setup Readers：Reader 1 is set by default as the entry reader, while Reader 2 is set by default as the exit reader. Additionally, support is provided for anti-passback functionality for a single door.
Address：Enter the actual address for the RS485 readers. Support for two RS485 readers is provided.



Note: The SAC921 supports only one channel of standard Wiegand RFID reader and two channels of Anviz RS485 readers.

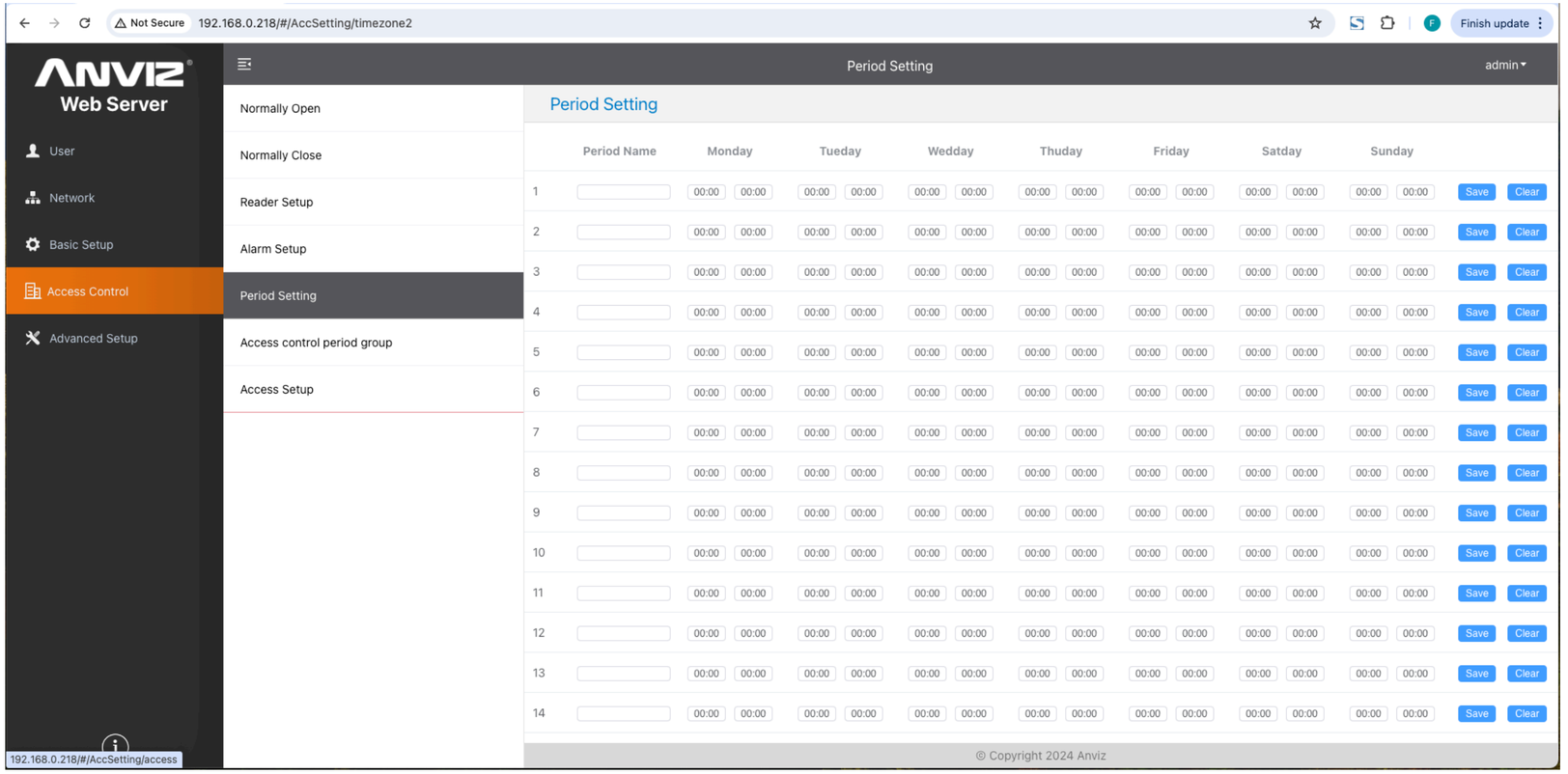
Alarm Setup

Alarm Status：Support the alarm signal input.
Relay Normal-Open：Upon receiving an alarm signal, the relay switches to a normally open state, for instance in the event of a fire, the door remains open.Relay Normal-Close：Upon receiving an alarm signal, the relay switches to a normally close state, for example in case of theft, the door remains close.



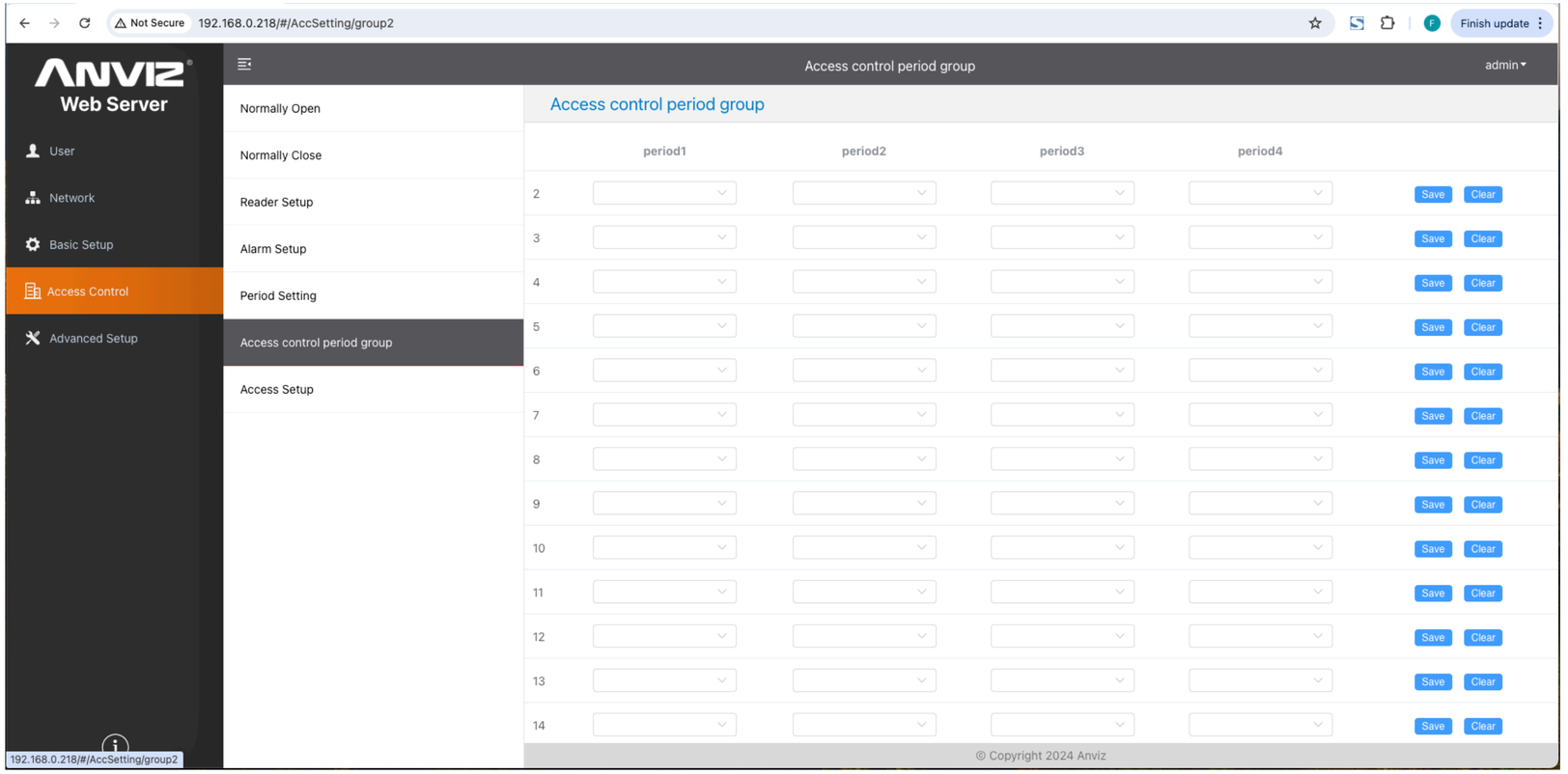
Period Setting

Supports setting of 24 time periods, using a 7-day week as a cycle, to configure access control time slots.



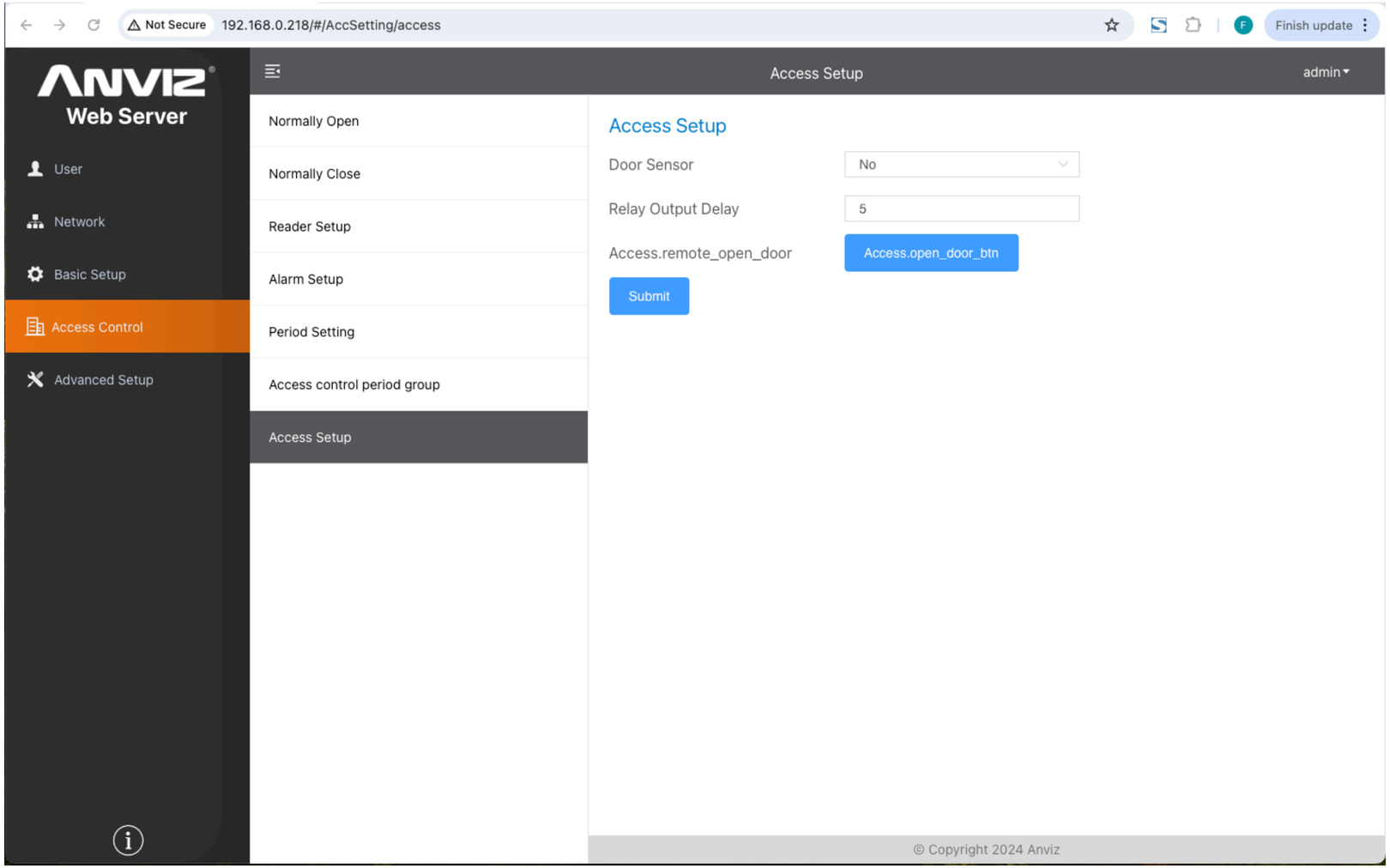
Access Control period Group

Setup the access control time group. Each group max support 4 time periods



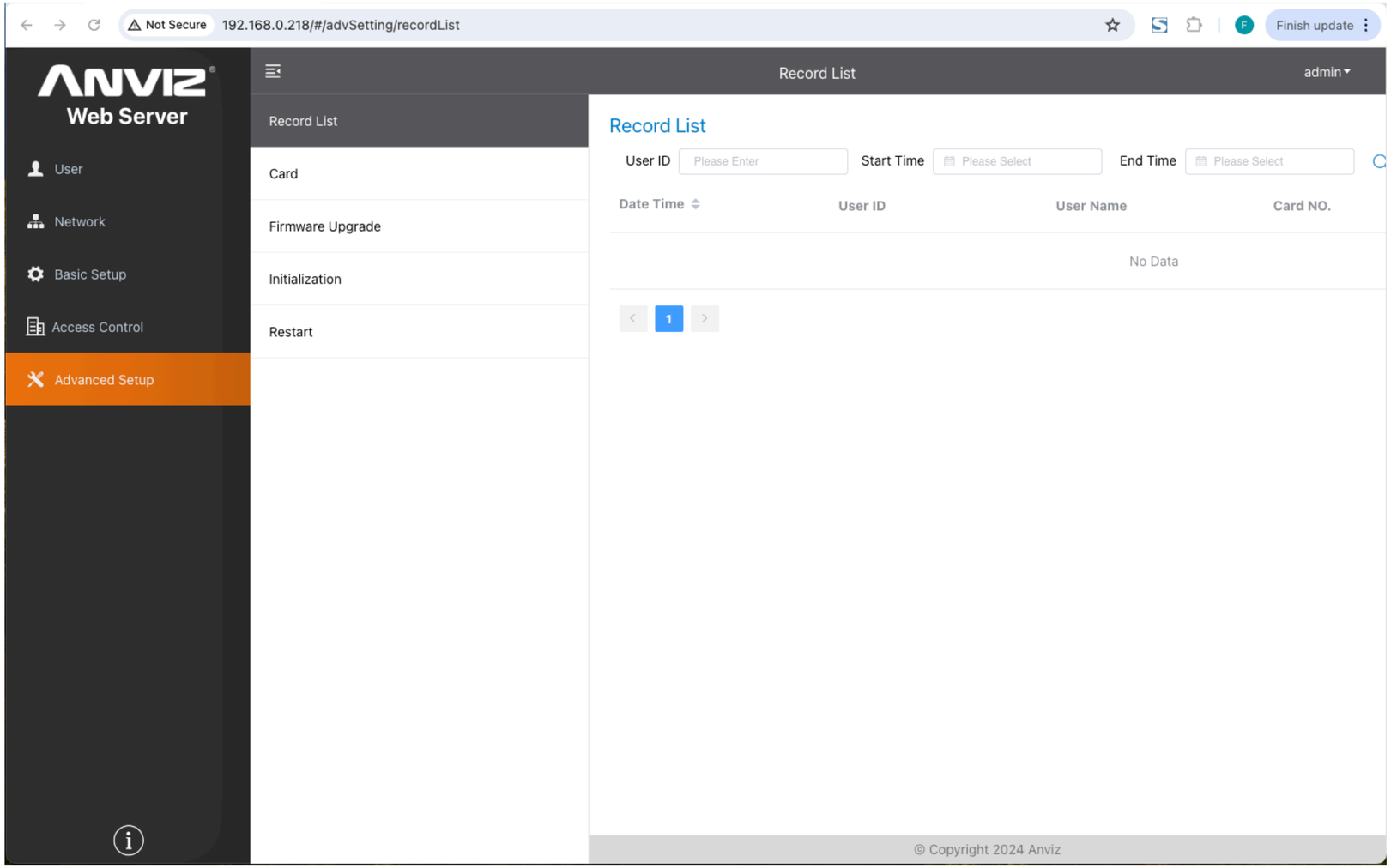
Access Setup

Door Sensor：Active Door sensor function
Relay Output Delay：Setup delay time for door sensor
Access Remote open door：Open the door with click the button.



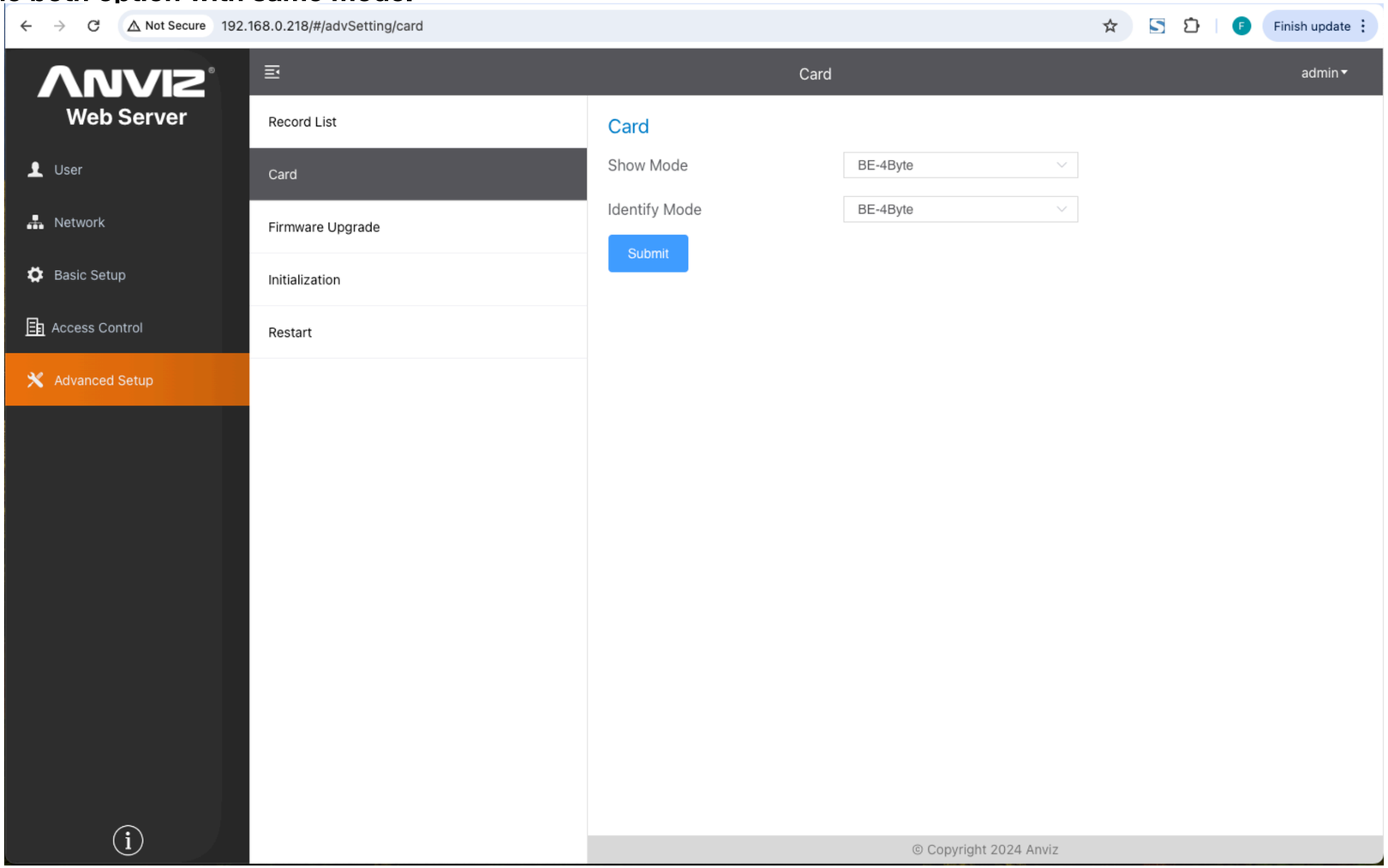
Advanced Setup—Record List

Check and Search the access control records. And export as a Excel file.



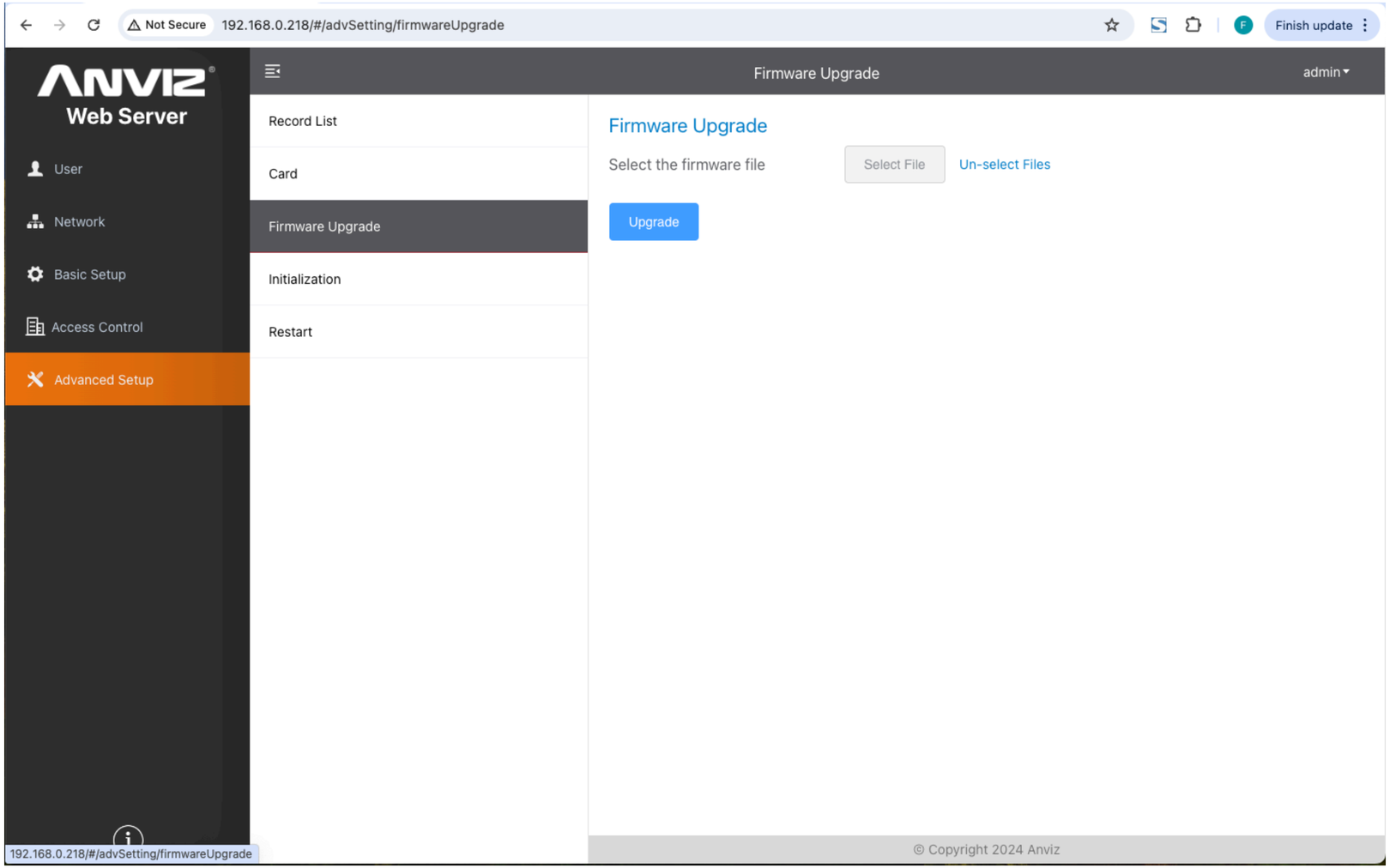
Card

Setup the RFID Card in the access control system.
Show Mode：The Card number display in the system。Support the Big Endian 4 Byte, Low Endian 4Byte.
Identify Mode：Set up the device center to configure the card number information for comparison.
Notice： Please keep the both option with same mode.



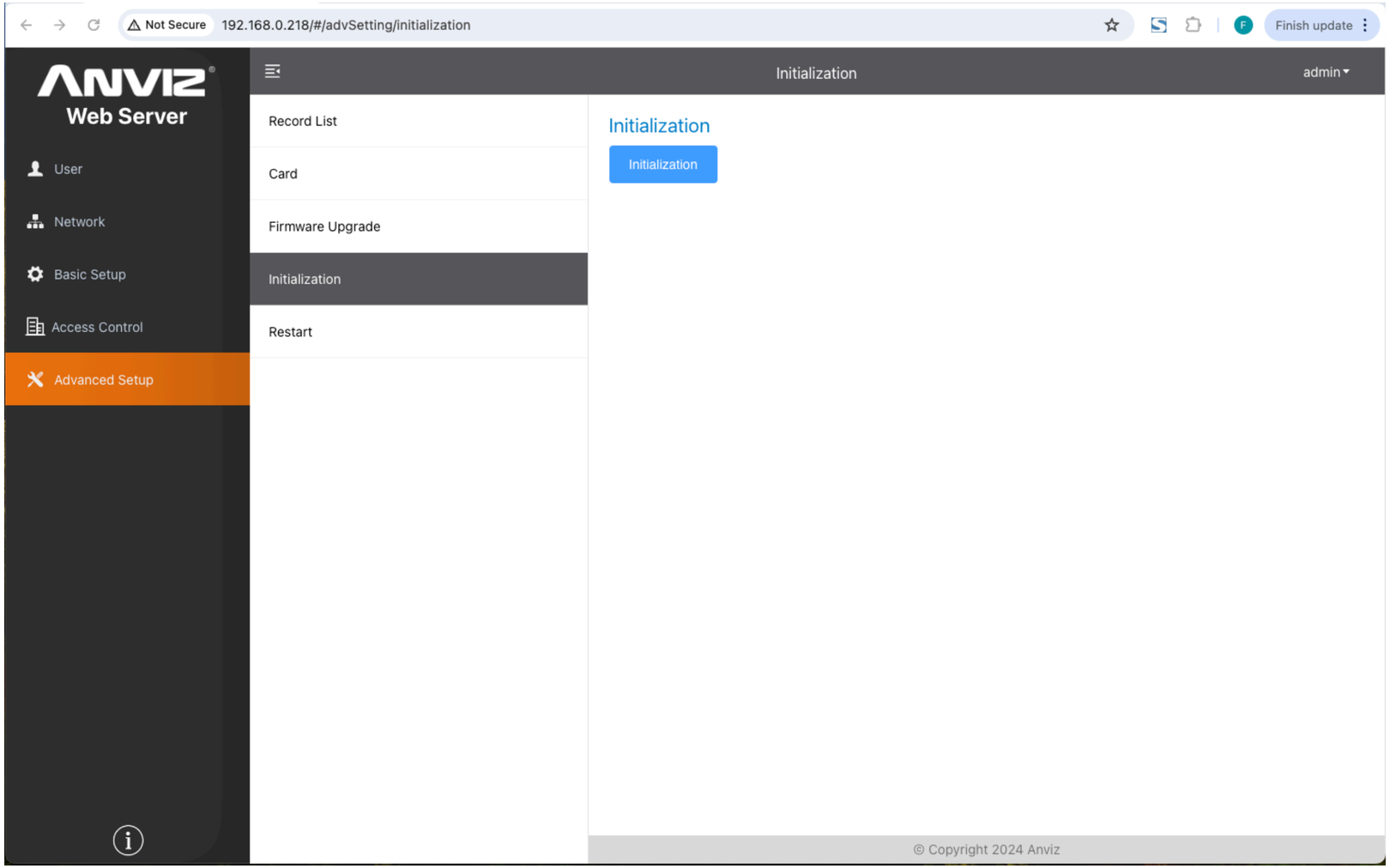
Firmware Upgrade

This interface supports firmware upgrades for devices. Click to select a file and upgrade the firmware.



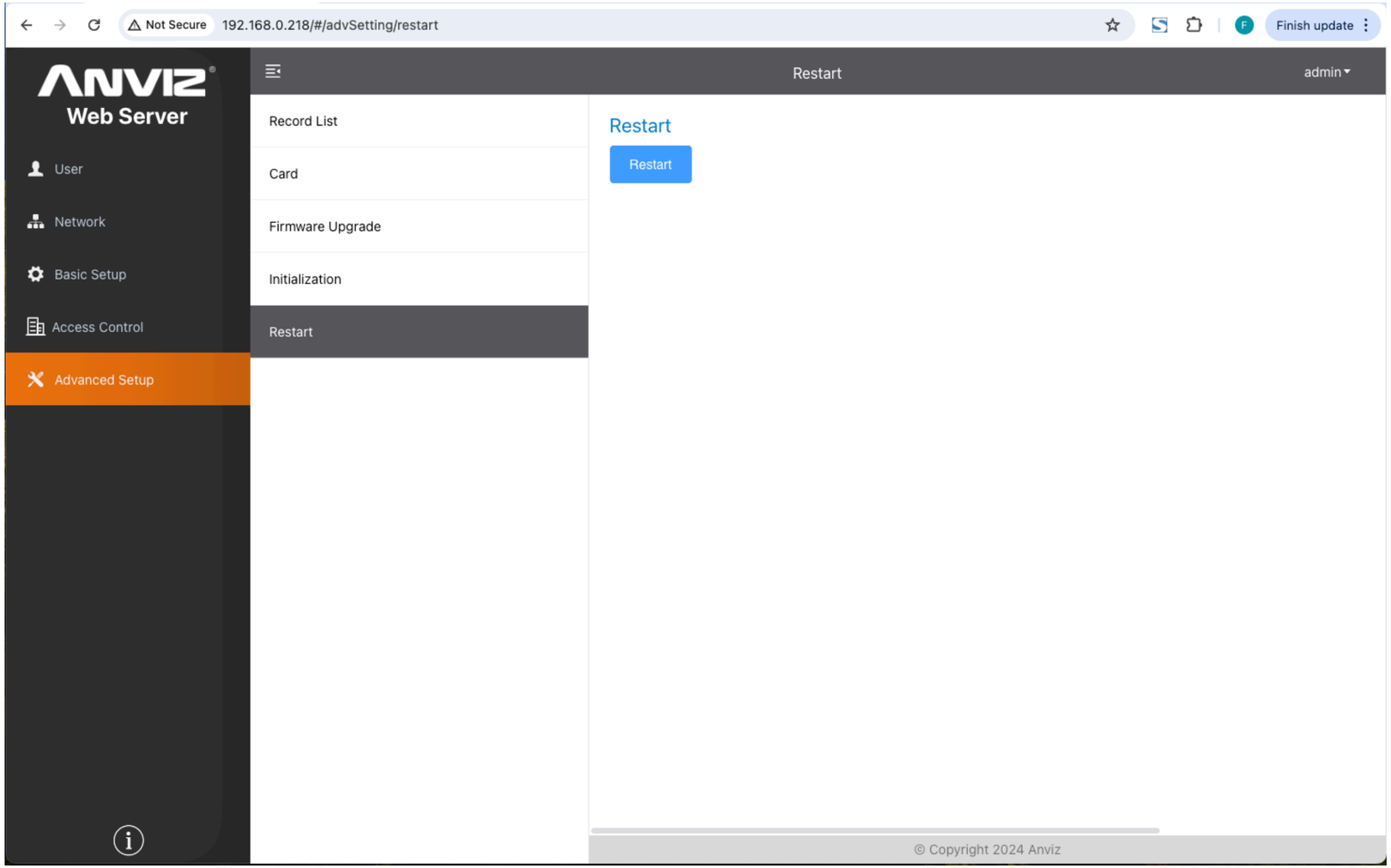
Initialization

Initialization：Initialize the device. Please proceed with caution, as the initialization will restore all data on the device to factory settings.



Restart

Restart：restart the device without delete any information.



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

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

Radiation Exposure Statement
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.