Cheetah F9

Server Configuration And Instructions

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# 1 Description of Server Outward Appearance And Cautions

## 1.1 Server outward appearance

The front view of the server is shown in Figure 1



figure 1

Before delivering the server, the full-machine contains the following four parts:

1. power supply
2. power cables

3、fan and hash board

4、control board

## 1.2 The outward appearance of control board, as shown in Figure 3



figure 3

As shown in Figure 3, the server control board contains the following components:

1、IP report button： press the IP button when the server is running, you will see the server IP address information on the server tool;

2、Reset button: press the “Reset” button to restore default settings at server’s runtime. Keep the button pressed for 3-5 seconds for the first time, then release the button. Press the button a second time for 3 to 5 seconds until the indicator light is on again. After that, the server will automatically restore Default Settings and restart.

3、Red indicator light : indicates special events or breakdown. The red indicator light is off when the server is running properly.The red light will flash in the event of a failure of server’s hash board or fan.

4、Green indicator light：indicates the server is in its normal operating status. The green light will flash continuously during the process of server’s restart or startup. When the server is running properly and there are hash output, the green light will stay on and flash at intervals.

5、Ethernet port: supports 100M Ethernet connections.

6、SD card slot：It is only used before the delivery or when the server is repaired by professionals. Please do not insert the SD card into the slot, in case of server malfunction or any damages to SD card.

2、Powering on the server

2.1 Preparation before powering on the server

Before powering on the server, please make sure that the following related devices have been prepared.

1、server power cable

Note: be sure to use the designated power cable for server, Using a power cable of unknown origin may cause serious accidents such as fire.

2、Computer：it is used to configure the server, you can use the Windows computer to configure the server.

3、Network switch: you can use the network switch to connect the server and router if you have multiple servers to operate.

4、Router: used to connect the Internet

5、DHCP server: the server uses the Dynamic Host Configuration Protocol (DHCP) to get the IP address from the Internet by default. Depending on the network environment you use, the DHCP server can be a switch with gateway function, a router, or a dedicated server.

If the server is powered on properly, you need to identify the server IP address by the following methods before configuring the server:

2.2 check the router or DHCP server

The IP address of the server can be obtained by checking the IP address list of the router or DHCP server. The default host name of the server is “F9”.

2.3 Use Cheetah server management software

### 2.3.1Scanning the server

Using the scanning server capability of the Cheetah-minertool\_v2.0.3-software, as shown in Figure 5:

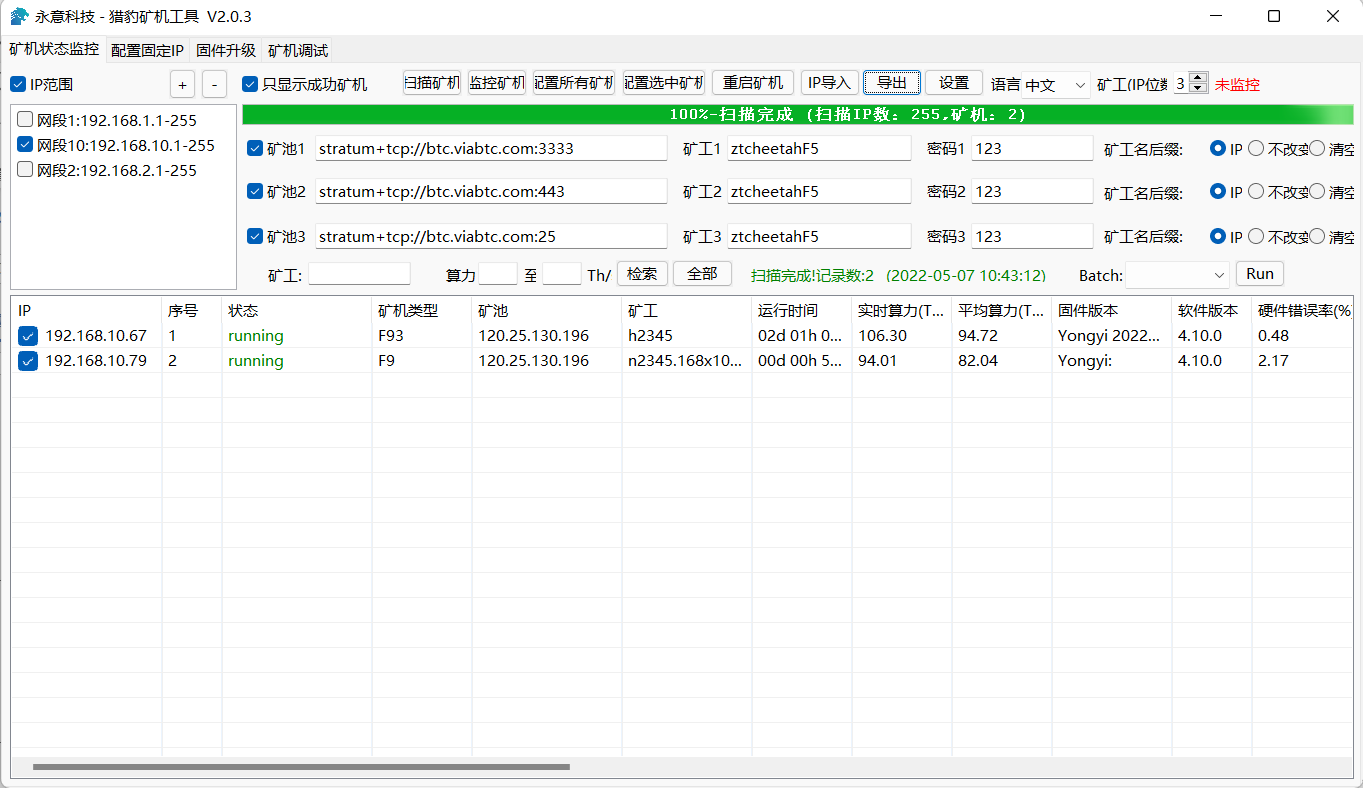


Figure-5

Input the LAN IP segment in the IP range of the software page, and click the “Scanning Server” button to start scanning. After finishing scanning, you can see the status of the server’s operation.

3、server configuration

This chapter describes how to configure the server through the web page. It is recommended to use Safari, Chrome or Edge browser to access the server's interface.

## 3.1 login the server

Input the IP address of the server in the address bar of the browser to visit the login surface, as shown in figure 6



figure 6

Type in with the password of“admin@miner”in the server management interface, click the “arrow” to login the server.

## 3.2 configuring the server

### 3.2.1 checking server status

After a successful login, the home page displays the working status of the server, as shown in Figure 2. The left side of the home page includes Refresh, Dashboard and Settings, and the right side of the home page includes some system status of the server.

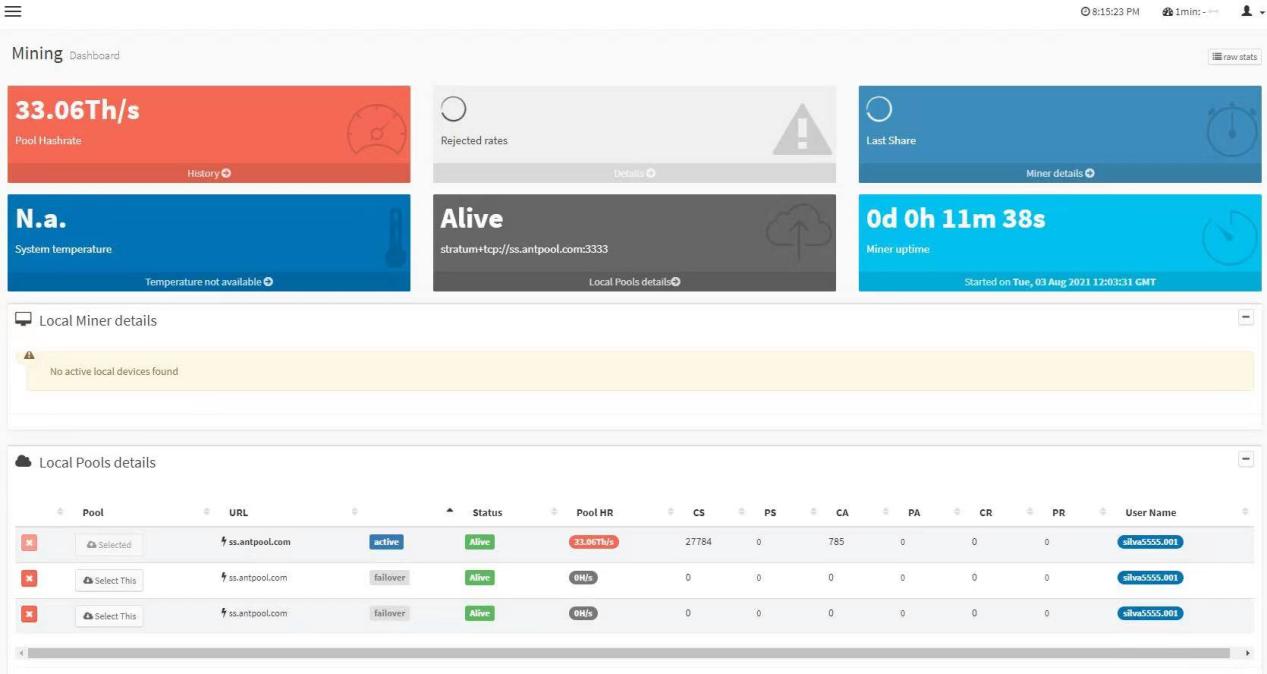
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figure-7

### 3.2.2 checking the details of server’s operation information

Click Dashboard in the left menu of the interface to view the detailed status information of the server, as shown in Figure 8

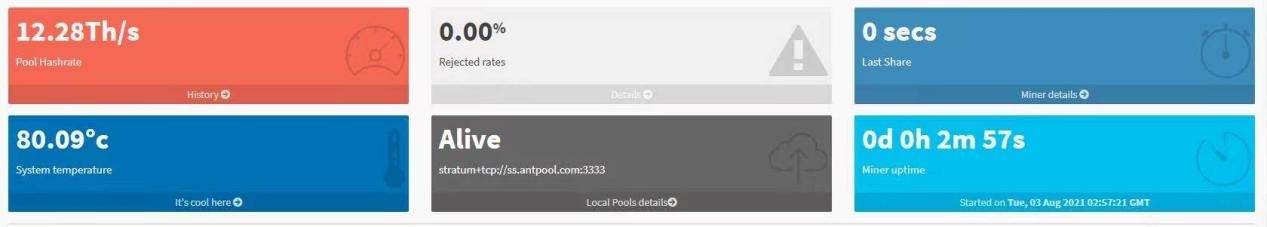
****

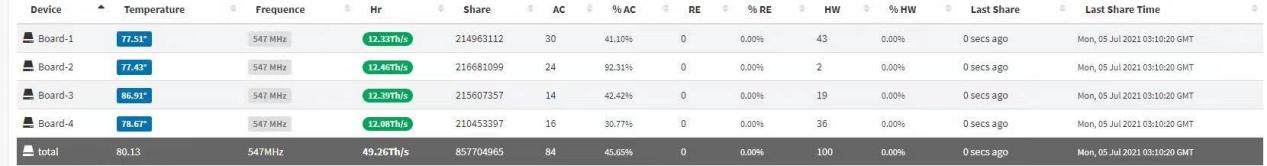
figure 8

Pool hash rate : displays the hash rate of mining

System temperature: displays the current system temperature

Miner uptime: displays the uptime of mining system

Figure 9 shows the display of mining pool, hash rate status, hash rate and temperature of hash board,

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Device : displays hash rate status, hash rate and temperature of hash board.

Note: there are 3 hash boards installed on the server before the delivery. If the number in the list is less than 3, it means that the missing hash board has not started properly. If the Enabled column of the hash board is displayed as N, it means that the hash board has been turned off due to a breakdown during the working process.

The following figure shows the status of the mining pool

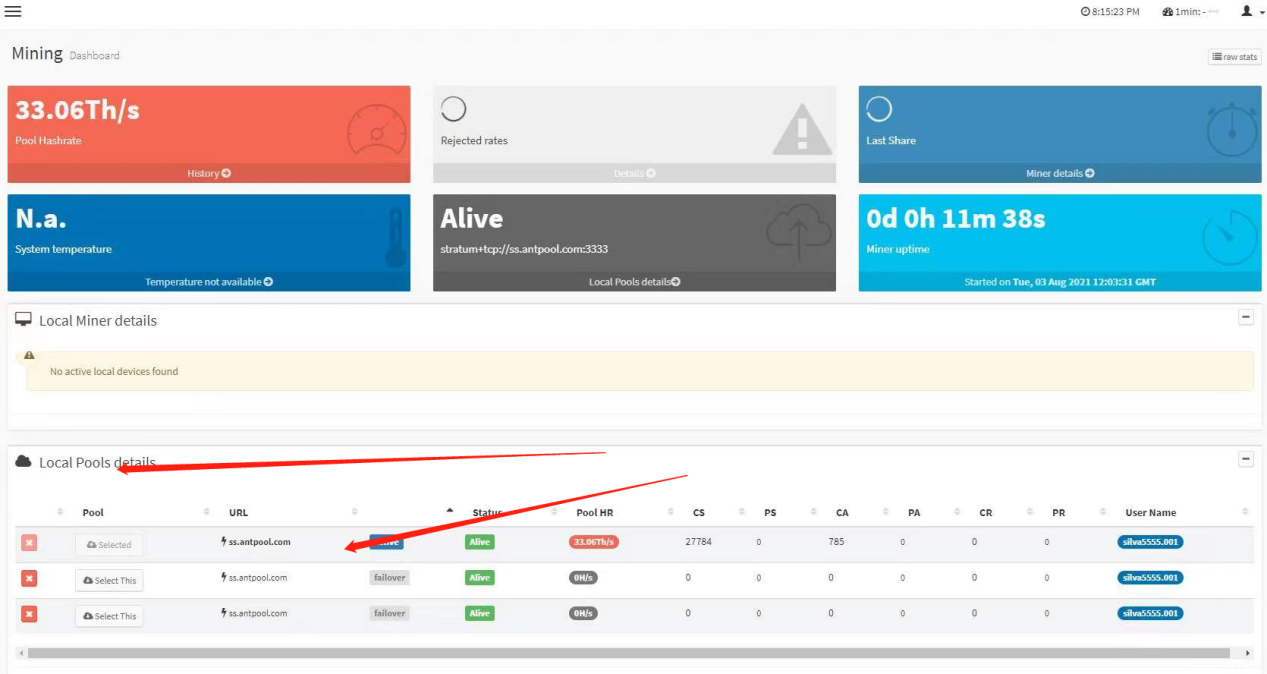


figure 10

Pool: displays the status of the mining pool connection. When configuring multiple mining pools, the servers will be connected in the order of 0, 1, and 2, but only one mining pool will be working at the same time.

Note: If the server cannot connect to the mining pool, the server will not work. Please click Network -> Diagnostics on the left menu and use its tools to diagnose the server's Network connection.

### 3.2.3 Modifying the mining pool and accounts

1、Click Settings → pool in the left menu of the interface, as shown in Figure 11:

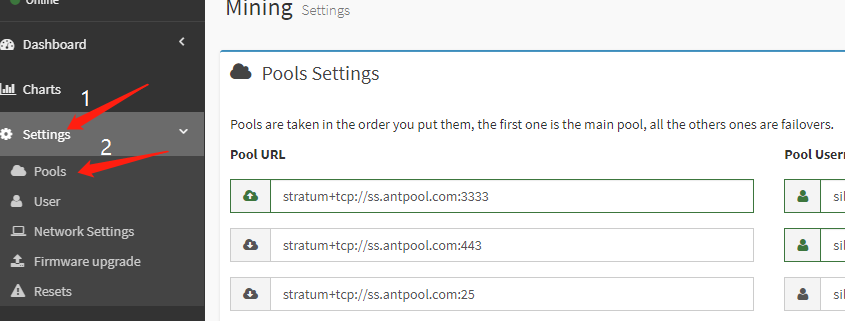


Figure-11

2、Input the mining address, mining ID and its password in turn, as shown in figure 12. You can configure up to three mining pools, after finishing the input, click the “Sava Pools” button, the server will automatically load the new mining pool configuration and restart the mining program.

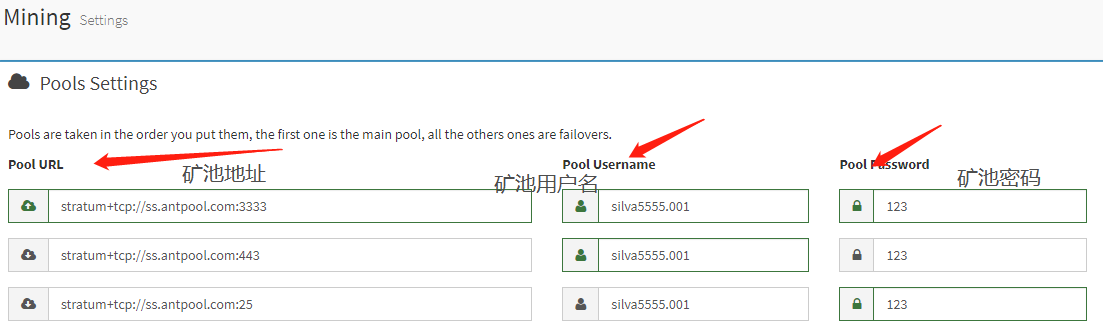


figure 12

### 3.2.4 modifying the background login password

1、Click Settings → User in the left menu to visit the miner change lock screen page. As shown in Figure 13:

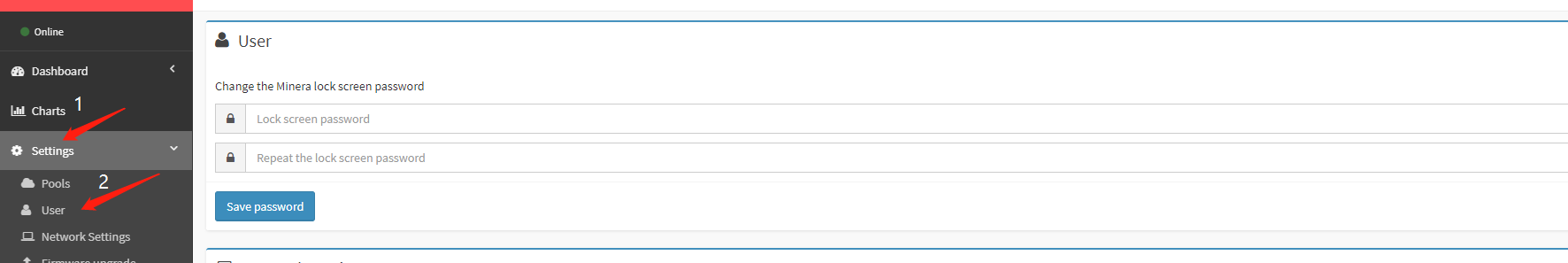


figure 13

2、On the page of changing miner lock screen password, fill in the new password in the bar of Lock Screen Password, retype the same new password for confirmation in the bar of Repeat The Lock Screen Password, as shown in figure 14.

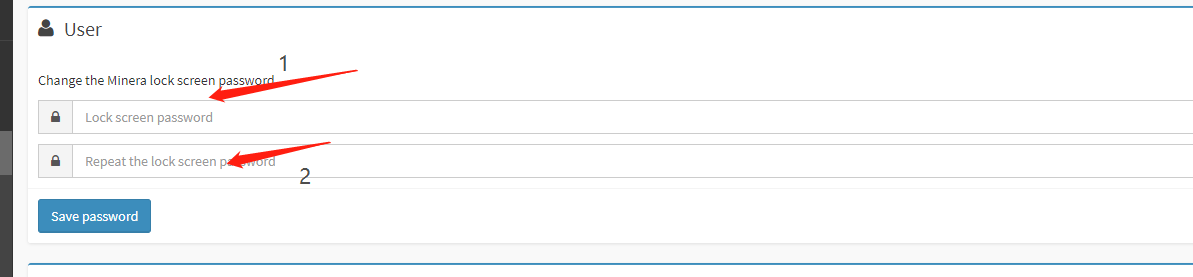


Figure-14

### 3.2.5 configuring a static IP address

To configure the server to use a static IP address, please perform the following steps:

1、Click Settings→Network Settings on the left menu, as shown in figure 15.

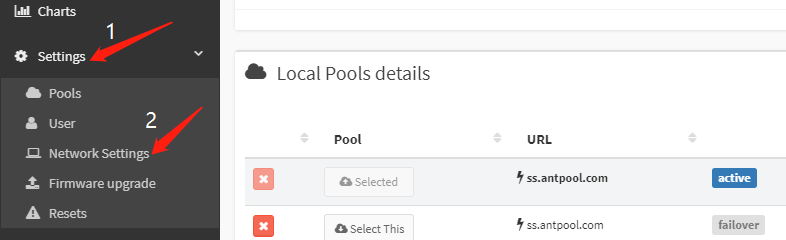


Figure-15

1、Click “Static”in the list of Network Settings, a drop-down option will pop up, static and DHCP are included. Click “Static” to set the static IP address in the table below, as shown in Figure 16

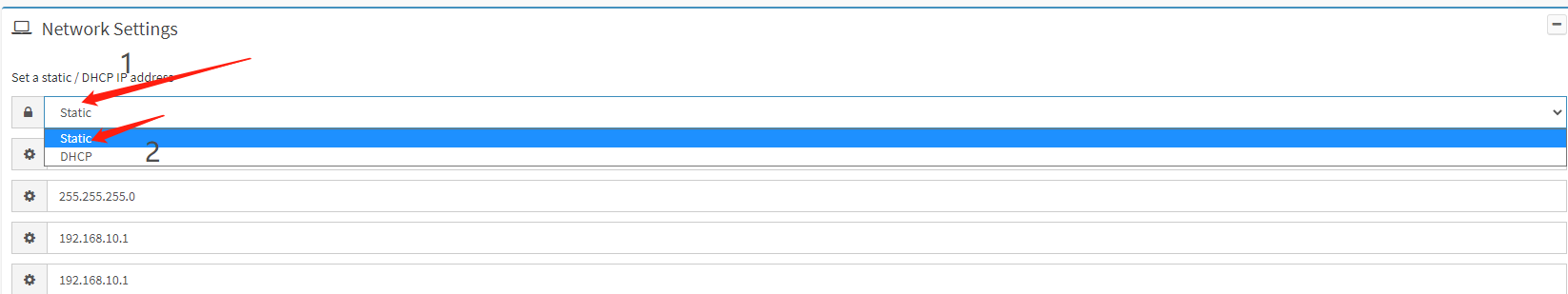


figure 16

1、Fill in the desired static IP address (fill in the second line), sub-net mask (fill in the third line), gateway IP address (fill in the fourth line), DNS server address (fill in the fifth line), as shown in Figure 17.



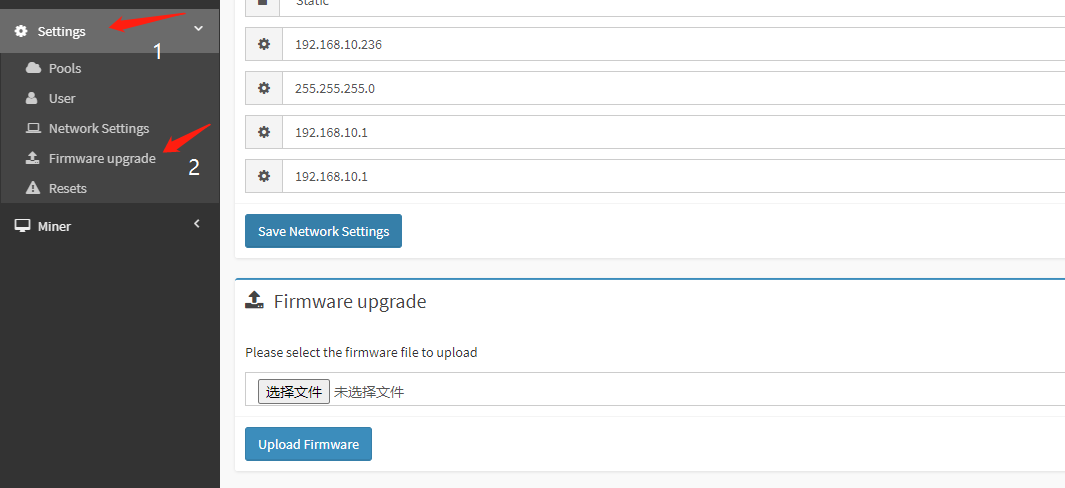
Figure-17

1、Click the “Sava Network Settings” button to save the configuration.

Note: after modifying the IP address, you need to use the new IP address to log in to the server again.

### 3.2.6 固件升级 firmware upgrading

1、Click “Settings”→”Firmware upgrade” on the left menu to access the page of firmware upgrading, as shown in figure 18.

figure 18

2、In the selected file and unselected file column is the firmware image file used to upgrade the server. After the firmware is selected, as shown in Figure 19.

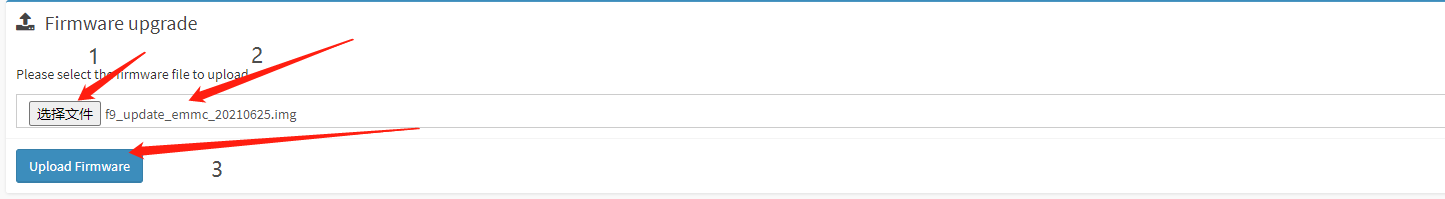


figure 19

Note: the server firmware image file is usually a file whose extension name ends with “.tar.gz”. The file name contains information such as the version number. Do not use any documents with unknown origins in case of damages to the server.

2、Click “Upload Firmware”, the server will start the upgrading process.

Note : the firmware upgrading may take a few minutes. It is strictly forbidden to power off the server before the upgrading is complete. Otherwise, it will lead to upgrading failure and server malfunction.