ELPHAPEX DG Home 1 Server Instructions

Contents

ELPHAPEX DG Home 1 Server

Specifications

Product Glance	**Value**
Version	**1.0.0**
Model	**DG Home 1**
Crypto Algorithm/Coins	**Scrypt**

Hashrate, **MH/s**	**2100 ± 3%**
power on wall@25℃, **Watt**	**630 ± 10%**
Hashrate- High Perf Mode, **MH/s**	**2300 ± 3%**
Power on wall@25℃ - High Perf Mode, **Watt**	**700 ± 10%**
power efficiency on wall **@25°C**, **J/MH**	**0.3 ± 10%**

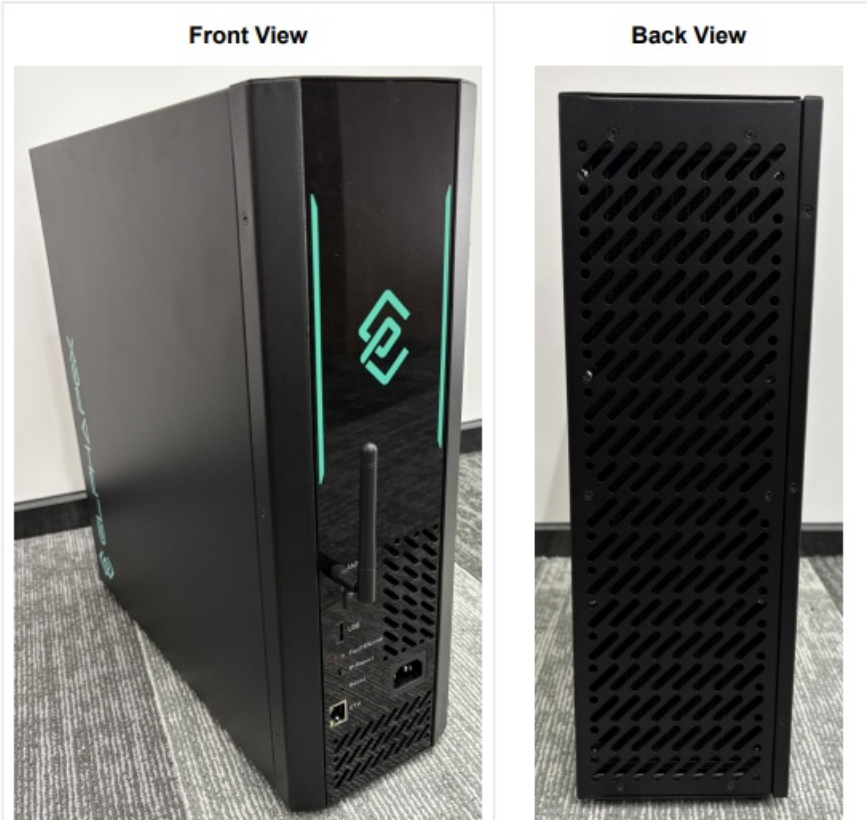
Detailed Characteristics	Value
Power Supply	
Power supply AC input voltage, **Volt**	**100-240**
Power supply AC Input Frequency Range, **Hz**	**47~63**
Power supply AC Input current, **Amp**	**10**
Hardware Configuration	
Network connection mode	**RJ45 Ethernet 10/100M** **WIFI 1x1/802.11 bgn**
Server Size (Length*Width*Height, w/o package), **mm**	**418*370*135**
Server Size (Length*Width*Height, with package), **mm**	**575*540*310**
Net weight, **kg**	**10.2**
Gross weight, **kg**	**13.5**
Environment Requirements	
Operation temperature, **°C**	**0~40**
Storage temperature, **°C**	**0~40**
Operation humidity(non-condensing), **RH**	**10~90%**
Operation altitude, **m**	**≤2000**

Notes

- **Caution:** Wrong input voltage may probably cause equipment damaged
- **Max condition:** temperature 0-40°C, altitude 0m.
- Please make sure the storage and operation temperature are both within 0- 40°C. Otherwise, the miner may be damaged.
- The typical current of a power cable is 10A.
- In the altitude range of 900 ~ 2000m, the maximum operating temperature drops by 1℃ for every 300m increase.

Overview

The DG Home 1 Server is the latest machine launched by ElphaPex with script algorithm, which consists of a square box similar to a desktop computer, a set of water cooling radiators, a power supply, a control board, and a hash board, with high yield and low tolerable noise, suitable for home mining. All DG Home 1 Servers are tested and configured before shipping to ensure easy setup.

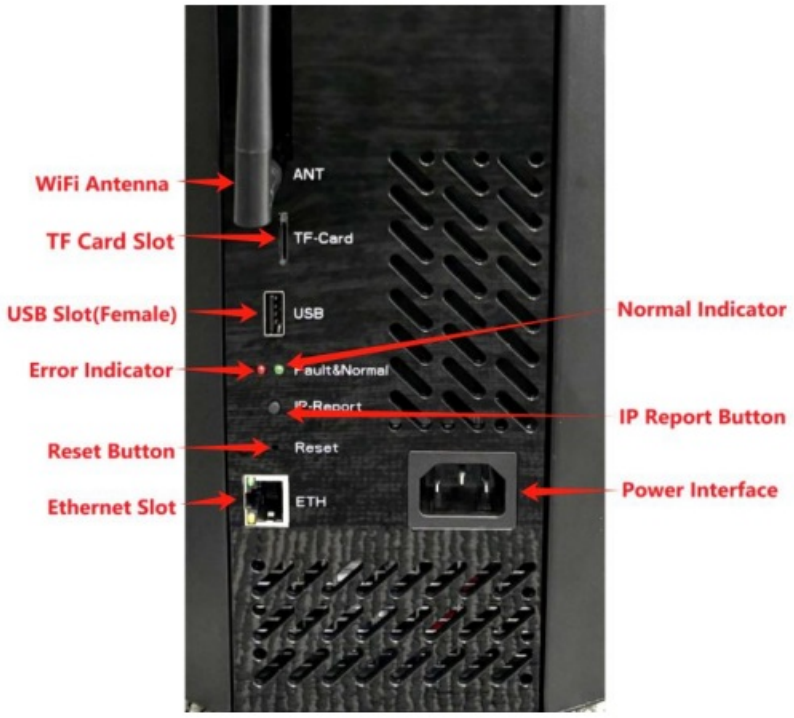


Notes

- Place the server and route cables properly to ensure the proper working status of the server.
- Do not remove the server cover during normal operation. Ensure that thescrews are tightly screwed and the cover is sealed.
- The server must be connected to an earthed main socket outlet. The socket outlet shall be installed near the server and shall be easily accessible.
- Please make sure the power socket is connected stably.
- DO NOT remove any screws and cables tied to the product.
- This varies from server to server, the actual situation prevails.

Server Components
The control board, hash board, power supply, and water cooling radiator of DGHome. The servers are all integrated inside the box. From the outside, there is only the box, cooling holes, and interface windows.

Interface Windows

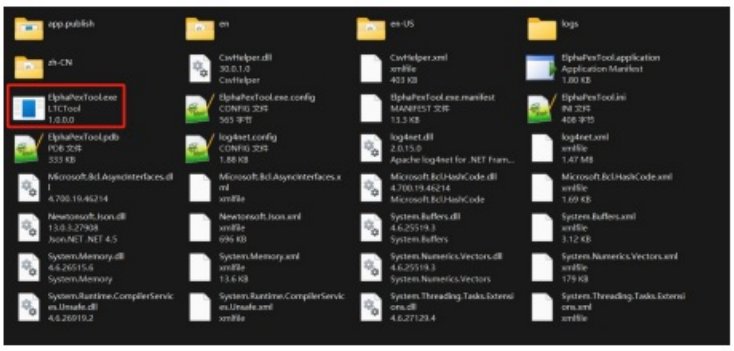


Notes: The power supply model of DG Home 1 Server is FP-104, and the water cooling radiator is integrated inside the chassis. Please do not open the chassis by yourself to avoid accidents such as short circuits or leakage.

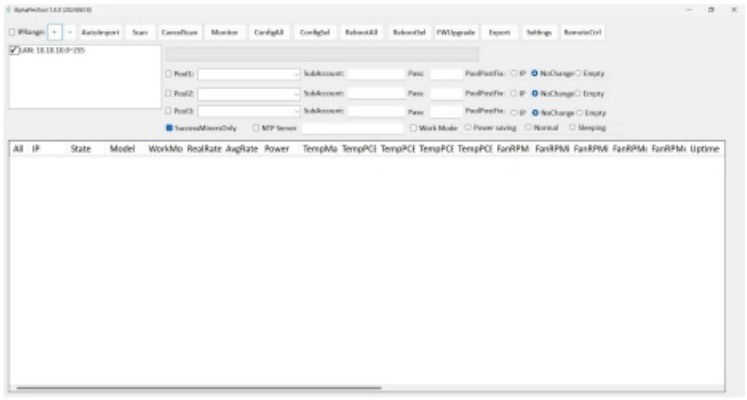
ElphaPexTool Guide

Note: You can SKIP this step if you already know its IP address and can use the website to configure the mining info.

1. Get the software pack ElphaPexTool from www.elphapex.com

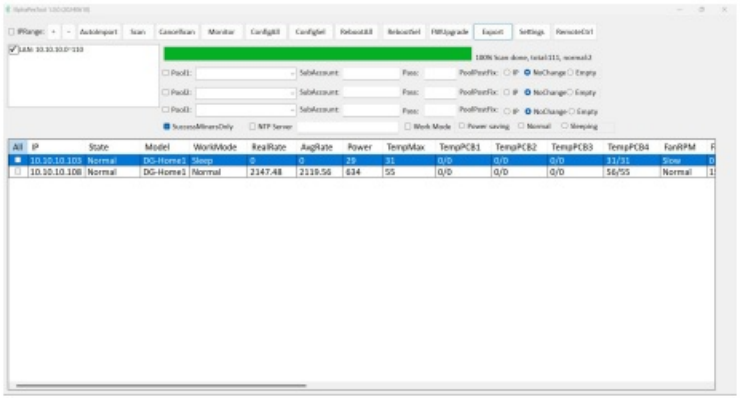
   Notes: ElphaPexTool is now only available on Windows platforms
2. 

   Extract the file.
3. Open the software ElphaPexTool.exe and click on + , Add the corresponding network segment range



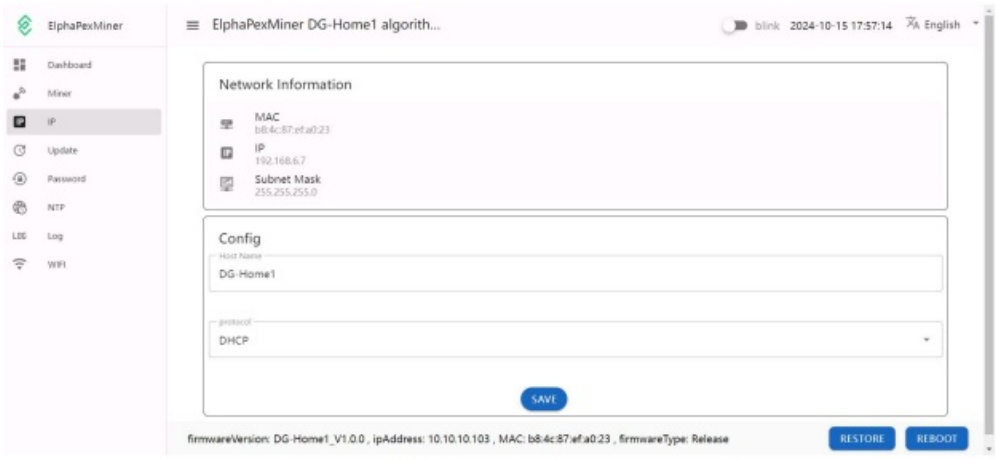
Notes: Please make sure that the host computer and the server are in the same internal network, including wired network and wireless network.

4. Press the Scan button.



The information about servers in the current network segment is displayed in a list.

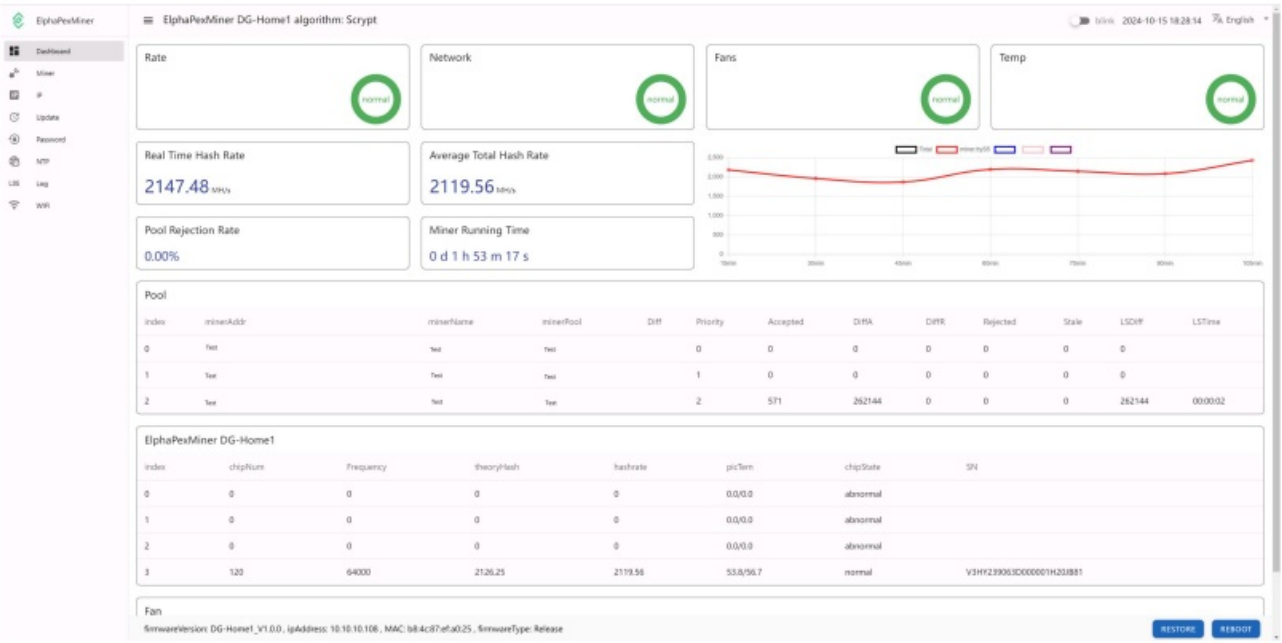
5. Double-click the selected line, this will open the browser to the server's webpage.
6. Proceed to login using root for both the username and password.
7. In the IP section, you can assign a Static IP address (optional).
8. Enter the IP address, Subnet mask, gateway,y, and DNS Server.
9.



Click the SAVE button.

Server Monitoring

1. In the ElphaPexTool, double-click the corresponding IP line to enter the server background page, and click dashboard to check the server status



Notes: When the temperature of the outlet reaches 85 ℃, the temperature control policy of the DG Home 1 server will activate the high-temperature protection and the mining process will stop2.

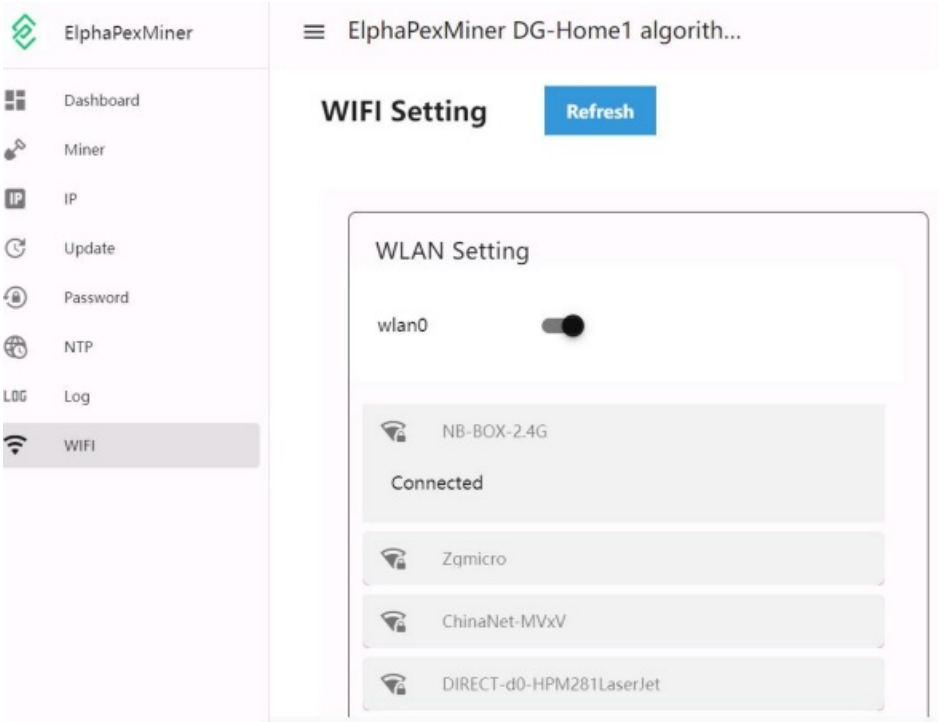
2. Monitor your server according to the descriptions in the following table:

Option	Description
index	Hash board interface number
chipNum	Number of chips detected in the chain.
Frequency	ASIC frequency.
theoryHash	Theoretical hash rate of each hash board (MH/s).
hashrate	Board level hash rate of each hash board (MH/s).
picTem	Onboard Temperature of each hash board(inlet/outlet) (°C).
chipState	Chip operating state • normal • abnormal
SN	Series Number of each hash board

Server Configuration

WiFi Configuration

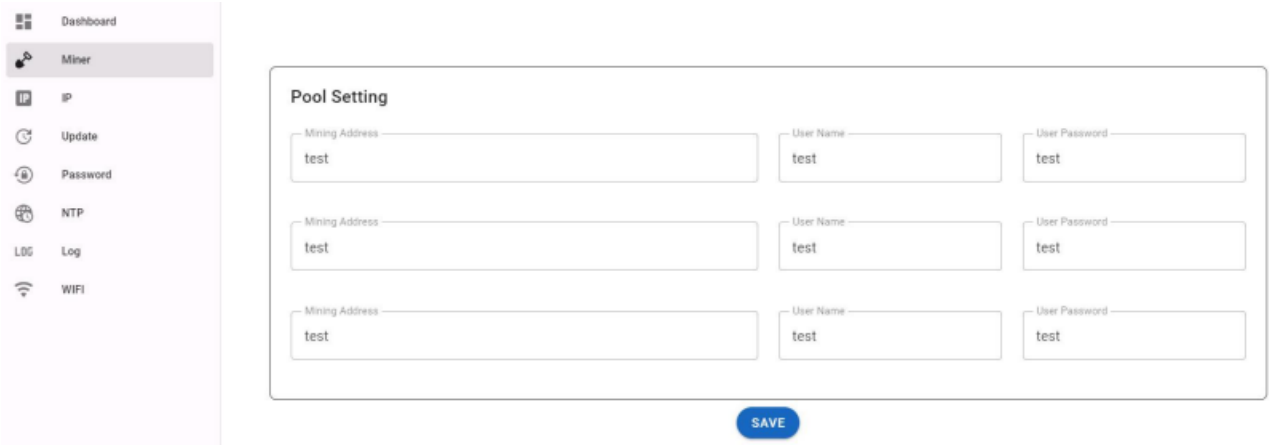
1. Connect the server to Ethernet, then enter the web page
2. Enter the WIFI Section, click the Refresh Button
3. Select the corresponding WiFi hotspot and enter the password. The server will connect to the corresponding WiFi hotspot.



4. After that, you can disconnect the Ethernet connection, and then use ElphaPexTool to rescan the server IP. After configuring the mining pool, you can enjoy wireless network mining.

Pool Configuration

1. Enter server web page, click Miner Section:



Notes: Note that please DO NOT adjust the fan speed by yourself although it can be configured. The server itself will tune the fan speed automatically going along with the environment temperature changes.

2. Set the options according to the following table:

Option	Description
Mining Address	Enter your pool address
User Name	Your worker ID on the selected pool.
User Password	The password for your selected worker.

Notes

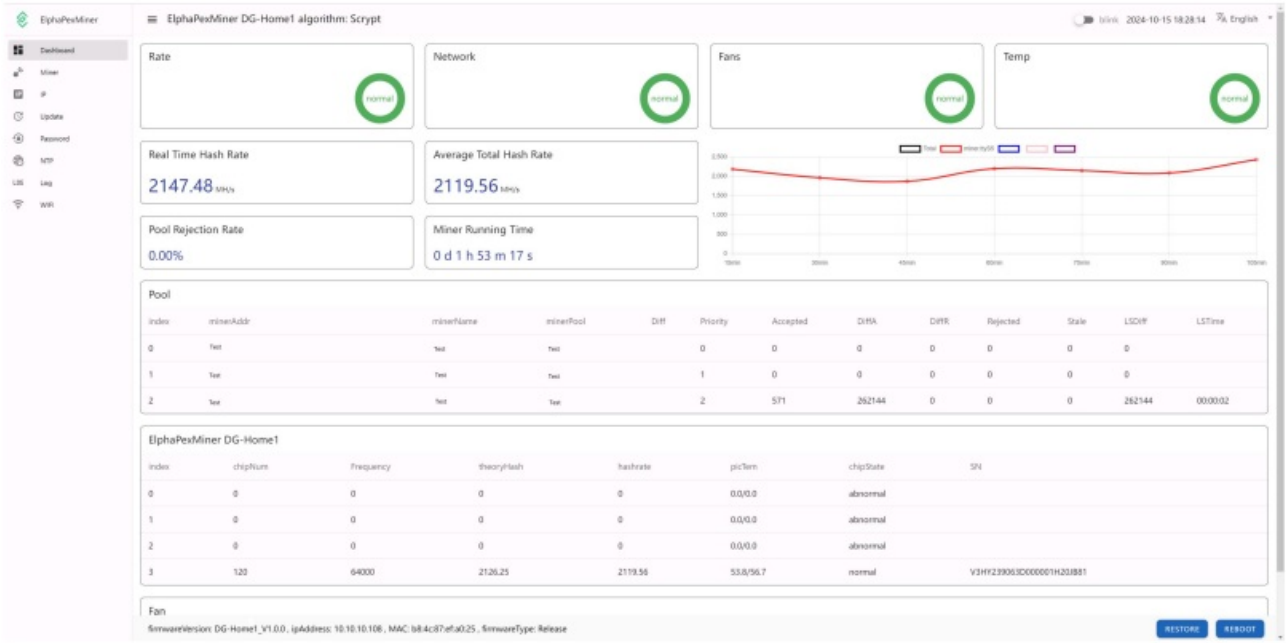
- The DG Home 1 server can set up three mining pools(pool 1 to pool 3) at the same time.
- The priority of pools 1 through 3 is reduced in turn, and when a pool with a higher priority is offline, a pool with a lower priority will be put into use.

3. Click SAVE after the configuration.

Server Management

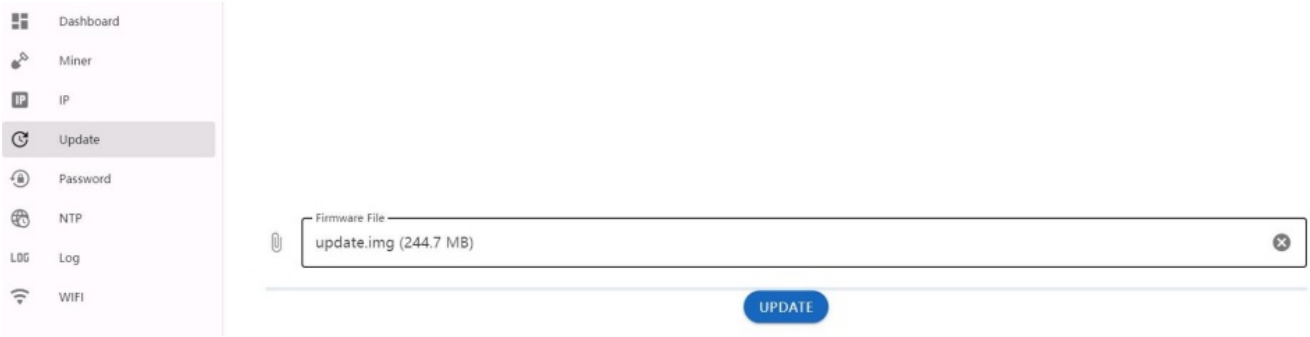
Firmware Version Check

1. Enter the backstage website of your server, and find the firmware version at the bottom.
2. fiFirmwareersionn displays the current release version your server uses. In the examples below, the server is using firmware version: DG-Home1_V1.0.0



System Update

1. On the website page, click Update to enter the firmware upgrade page.
2. Click the Firmware File input field, select the .img or zip firmware file, and then click UPDATE, The server will start the firmware update process.



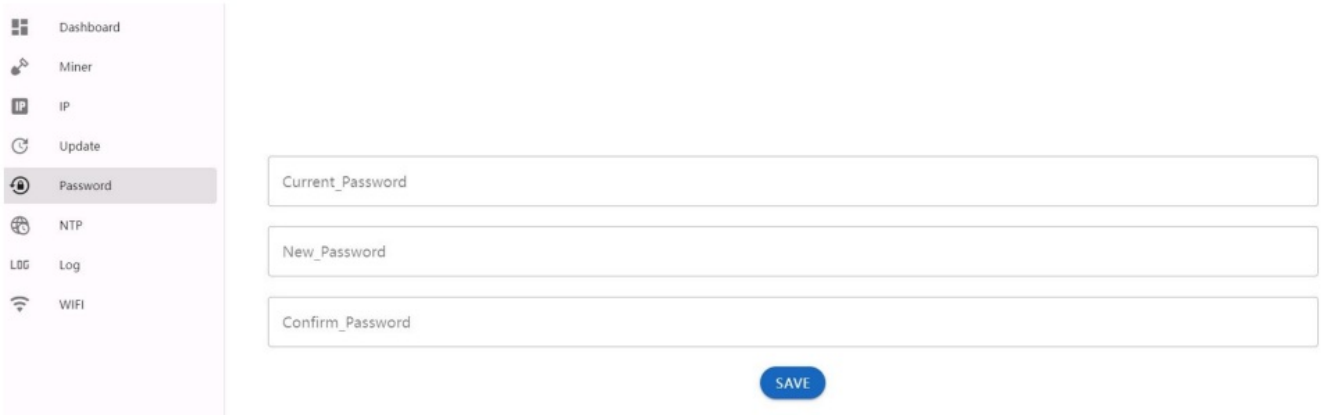
3. When the update process is completed, the server will restart and it will turn to the Dashboard page.

Notes

- During the firmware upgrade, ensure that the server remains powered on and no other operations are conducted.
- The DG Home 1 server provides support for firmware upgrades using the .img and .zip file extensions.
- The DG Home 1 server supports firmware updates in both wired and wireless networks.s

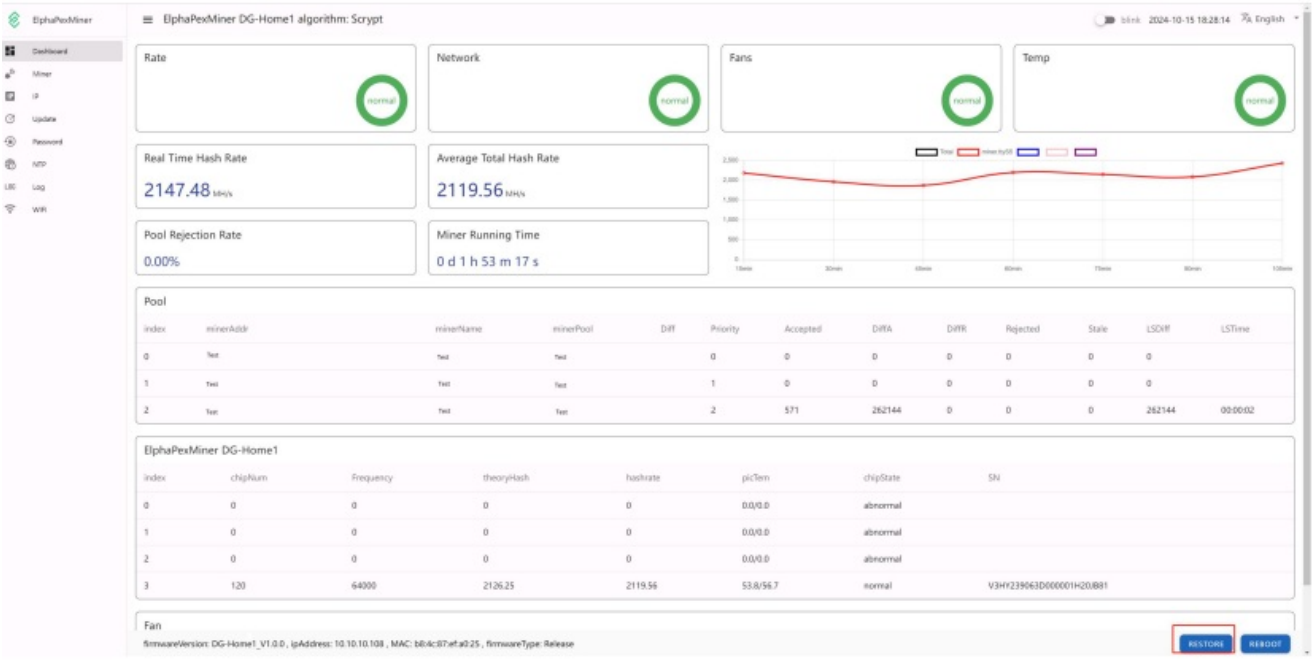
Password ChangOn

1. In Web site page, click Password.
2. Enter the current password and the new password, then click SAVE.



Restoring Initial SettinOn

1. In Web site page Click the RESTORE button.



Notes: The RESTORE operation will clear the pool Settings and restore the original password. Exercise caution when performing this operation.

Regulations

Notice

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

CAN ICES-003(A) / NMB-003(A)

Note: This equipment has been tested and found to comply with the limits for a ClassAdigitaldevice under part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment operates in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in 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.

ElphaPex
Website: www.elphapex.com

FAQs

Q: Can I upgrade the hash rate of the DG Home 1 Server?

A: The hash rate of the DG Home 1 Server is optimized for its hardware configuration and may not be easily upgradable. Attempting to modify the hash rate may void the warranty and cause system instability.

Q: Is it safe to open the chassis for maintenance?

A: It is not recommended to open the chassis of the DG Home 1 Server for maintenance unless you are a qualified technician.Opening the chassis may expose sensitive components to potential damage.

Documents / Resources

	**ELPHAPEX DG Home 1 Server** [pdf] Instructions DG Home 1 Server, Home 1 Server, Server

References

- ElphaPex
- User Manual