

# JASMINER X4

## High-throughput 1U Server Instruction

### Manual

Tip: Follow the official account of SUNLUNE , then reply “course” to get the use demonstration video of the device.



SUNLUNE Technology (Jiangsu) Co., Ltd.

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# JASMINER X4 High-throughput 1U Server Instruction Manual

## I Product Introduction

Jasminer X4 high-throughput 1U server, is a ethash server with high-throughput technology developed by Sunlune technology (Jiangsu) Co., Ltd. Jasminer X4 based on memory computing integrated high-throughput computing chip. The chip with memory computing integrated structure realizes the combination of storage and computing, Under the condition of meeting the requirements of storage capacity, it improves the memory access bandwidth, breaks through the bottleneck of computing power, save power and size , providing sufficient computing power, exquisite low-noise design, solid and quite. with the integrated memory and computing architecture and high- throughput technology, Jasminer X4 suitable for PoW algorithms such as ETCHASH and ETHASH, satisfy various customers and bring them a good return on investment.

## II Product features

Excellent performance and easy to use, Exquisite design, friendly interface and simple operation. Just need set a few parameters.Simple interface,power supply and network access is required. Excellent computing performance, efficient and concise IO expansion capability and high stability.

### **Energy saving, environment friendly and widely used**

Very low power consumption, low-noise design, high efficiency , environment friendly production. Environmental temperature  $\leq 40$  °C.

### III Inspection before use

#### 1. Inspection before use

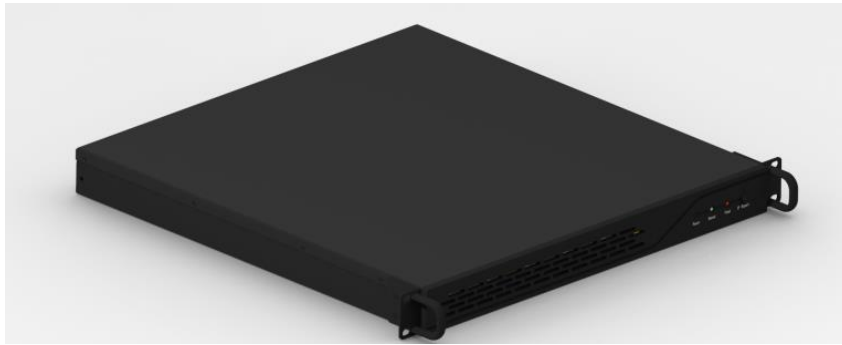
- After unpacking, please check for any package deformation or interface damage. If there is any fault, please contact the after-sales department.
- Check for abnormal sound, metal collision or screw loosen. If there is any fault, please contact the after-sales department.

#### 2. Attention

- The device should be connected to router or Exchanger without Poe function, only wired network connection can be used.
- To avoid heat dissipation, do not stack or cover the device with other objects.
- Please run the device under the recommended operating environment (operating temperature: 0-40°C, operating humidity: 5% RH~95% RH, non condensation; altitude of 2000 meters below and under non tropical climate conditions) to avoid affecting the normal operation or performance of the device.
- Pay attention to dust and foreign matters, otherwise, the mainboard may be corroded and the device cannot work properly.
- Private renovation is not guaranteed.
- There are four protective sleeves are equipped to prevent edge scratches. Please insert the protective sleeve for safety before use.

### IV Basic description

## 1. Device



JASMINER X4 high-throughput 1U server

### Attention:

Place the device as shown in the figure above. Do not place the device in a closed space.

For your safety, do not remove any screws or fasteners from the device.

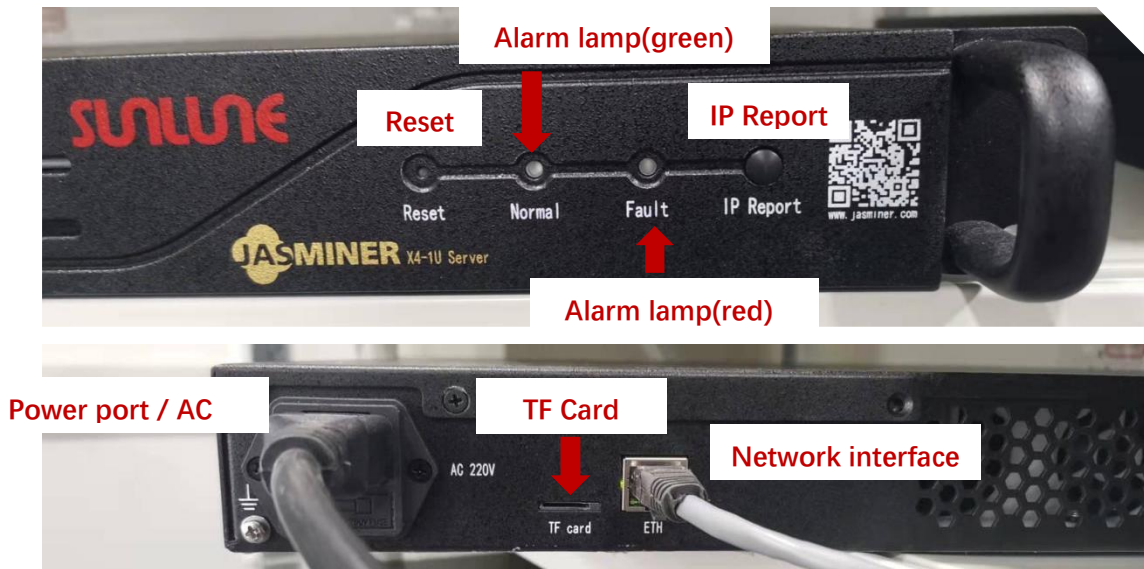
The device will generate heat during operation. Please avoid touching the black shell during operation.

## 2.parameter

Overview	Specification
Type	JASMINER X4
Name	High-throughput 1U server
Encryption algorithm	ETCHASH&ETHASH
Hashrate (MH/s)	520/450±10%
INPUT	200-240V~,50/60Hz,1.2A
power consumption (Watt)	240±10%
Energy efficiency ratio (25 ° C	0.46/0.53±10%

ambient temperature, w / MHs)	
<b>Hardware Configuration</b>	
Network connection	RJ45 Ethernet 10/100/1000M
Device size (mm)	482.2×44.5×450.0
Package size (mm)	586×126× 513
Device weight (kg)	9.4
Overall weight (including package, kg)	10.3

2. Interface and description



TF card	TF Card slot
IP Report	When using IP report software, the high-throughput 1U server IP address will be feedback to your PC
ETH	network interface
Reset	Restore factory setting
Alarm lamp (red)	Continuous light indicates device failure

<p>Operation lamp (green)</p>	<p>Flashing light indicates device running well</p>
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## V Use and settings

### 1. Connection inspection

- a) Network cable connection: Insert the RJ45 crystal head into the network cable interface marked eth of the router and the device interface respectively. Pay attention to the direction when inserting the cable. Please insert the crystal head in place.
- b) Power cable connection: Connect the Power output end of the adapter to the Power port labeled Power of the device, and then connect the 220V AC Power to the device for normal operation.

### 2. Find device IP address

After the device is plugged in with a network cable and powered on, the device starts running. If the green indicator blinks, it indicates that the device is running well. You can obtain the IP address of the device in 2 ways:

- (1) Log in to the router connected to the device and query the device IP
  - Log in to the router management page with a browser, enter the router account and password information, log in to the router management system, view the network device terminal connected to the router, find "JASMINER" device, and view the device IP address.
- (2) use the IP Report software provided by JASMINER to obtain the IP

- Run sl\_Miner.exe program on any PC with windows OS, please make sure that your PC and the device working on same local network segment.
- According to the following figure, click "Settings and query" → "Start listening" in sequence on the software interface, and press the IP Report button of the device, the software automatically pops up related information of the device.

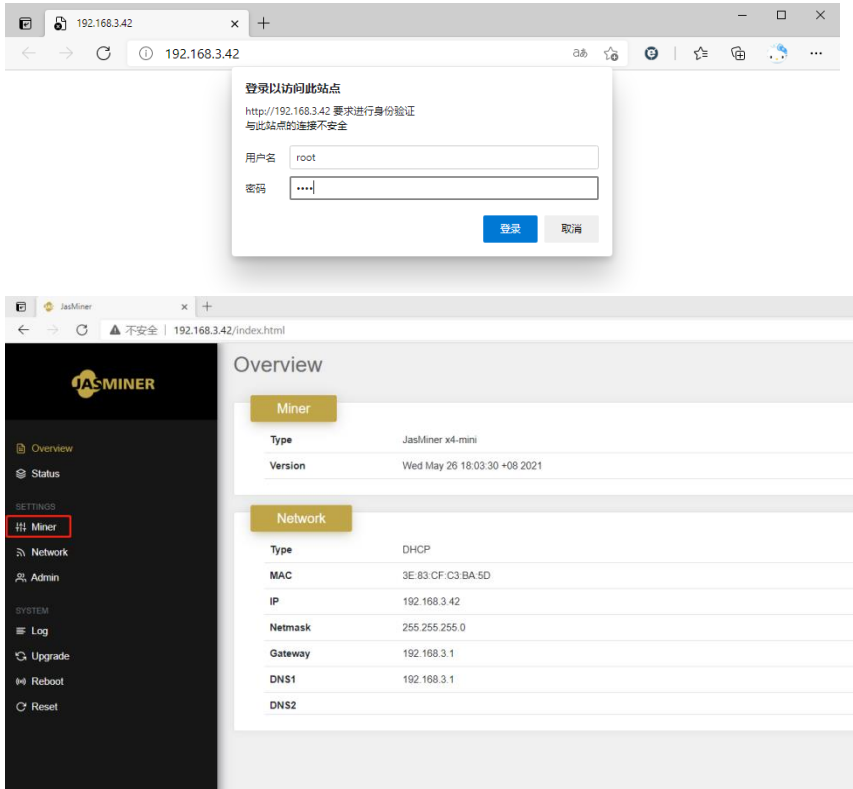


- Shown IP as the currently set IP address.
3. Configure high-throughput 1U server
- a) Enter the shown IP address into the browser and press enter to open the device web operation interface.

Default user name: root

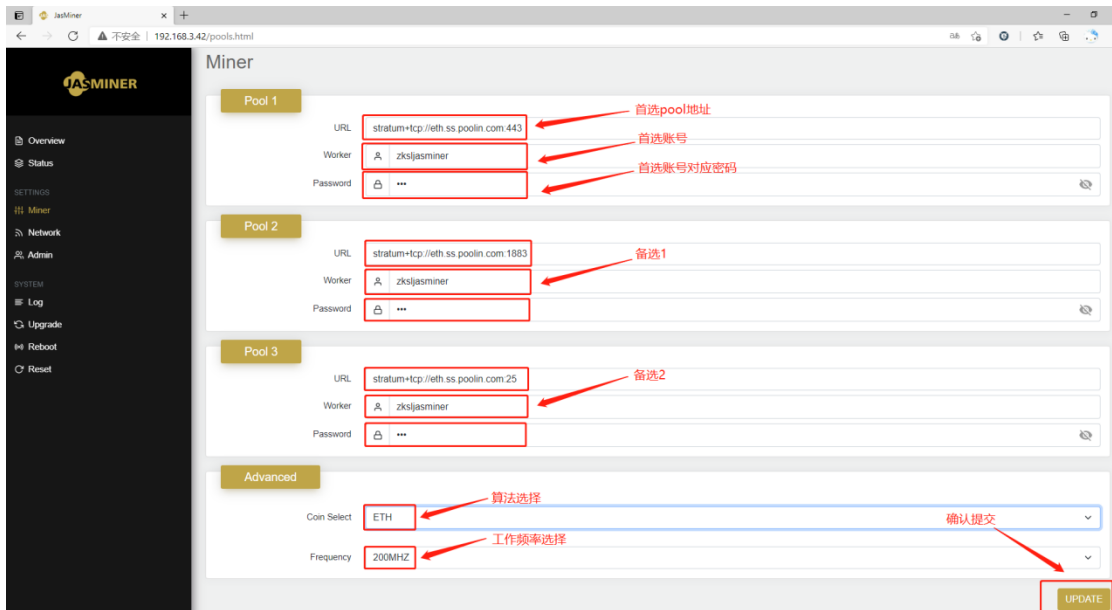
Default password: root





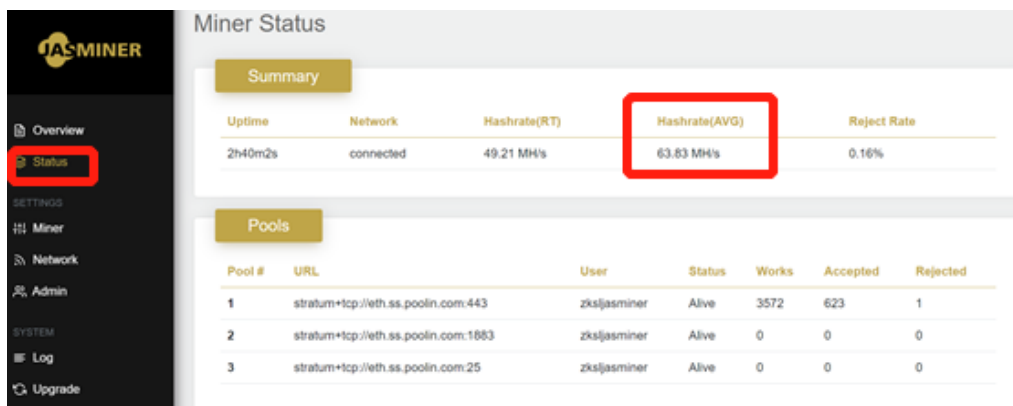
b) Enter the "miner" configuration interface to modify the ore pool settings and let the device start to provide hashate for you.

- Enter the preferred and two alternative mining pool addresses, account name and password.
- Select the algorithm. The device support both ETCHASH and ETHASH algorithm. Default algorithm is ETCHASH.
- Click "update" to submit the configuration.



c) View hashrate

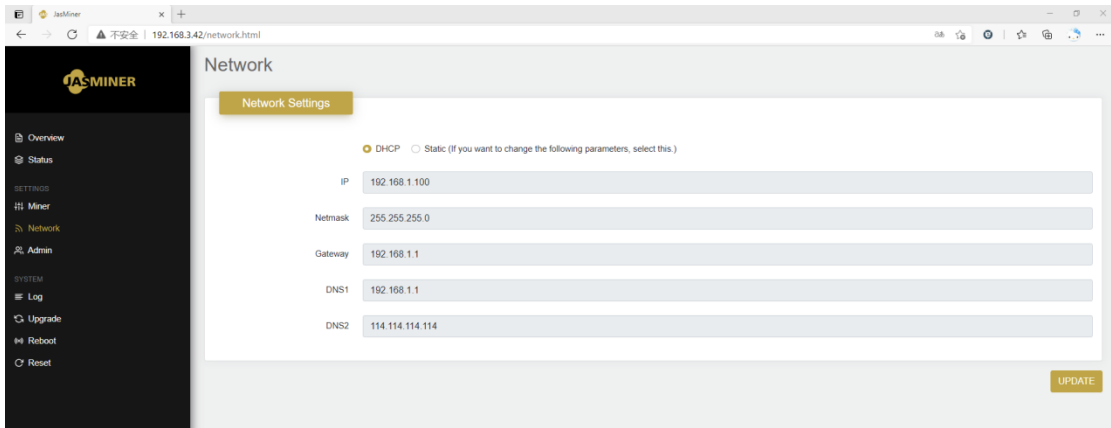
After 30 minutes running, we can find device hashrate on Status page.



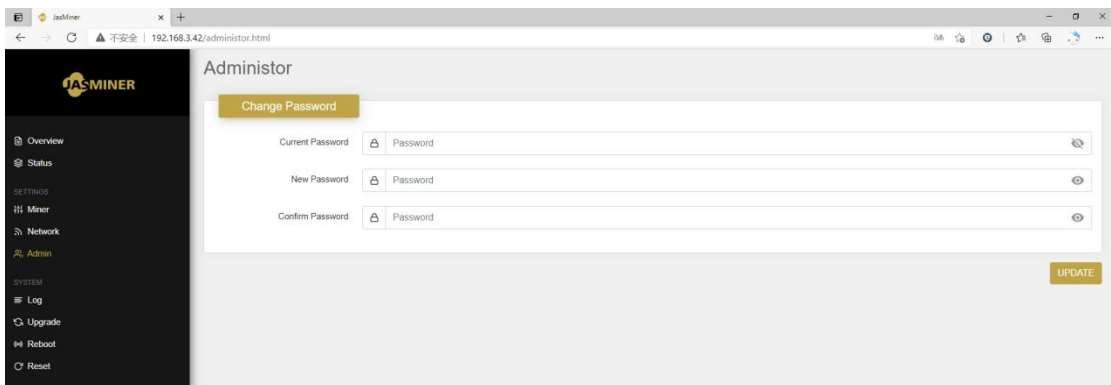
Configuration of this high-throughput 1U server is complete.

4. Other settings

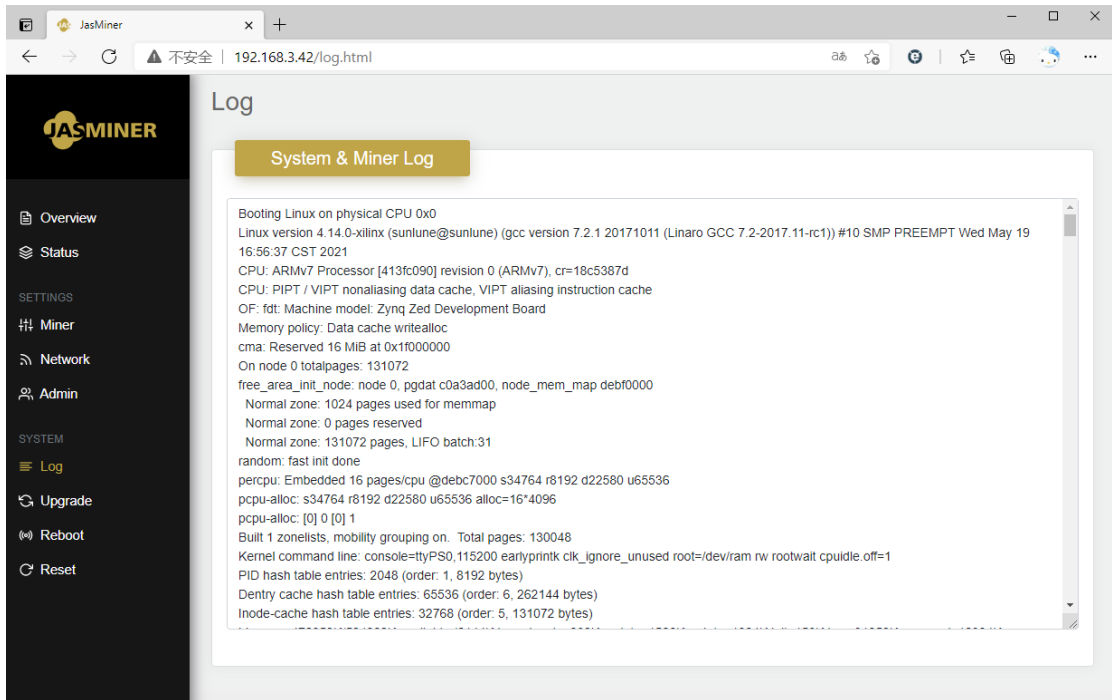
- a) IP setting: If you need to change the network configuration such as IP address, select the "network" configuration item, and the device will dynamically obtain the IP address by default. After the change, click "update" to take effect.



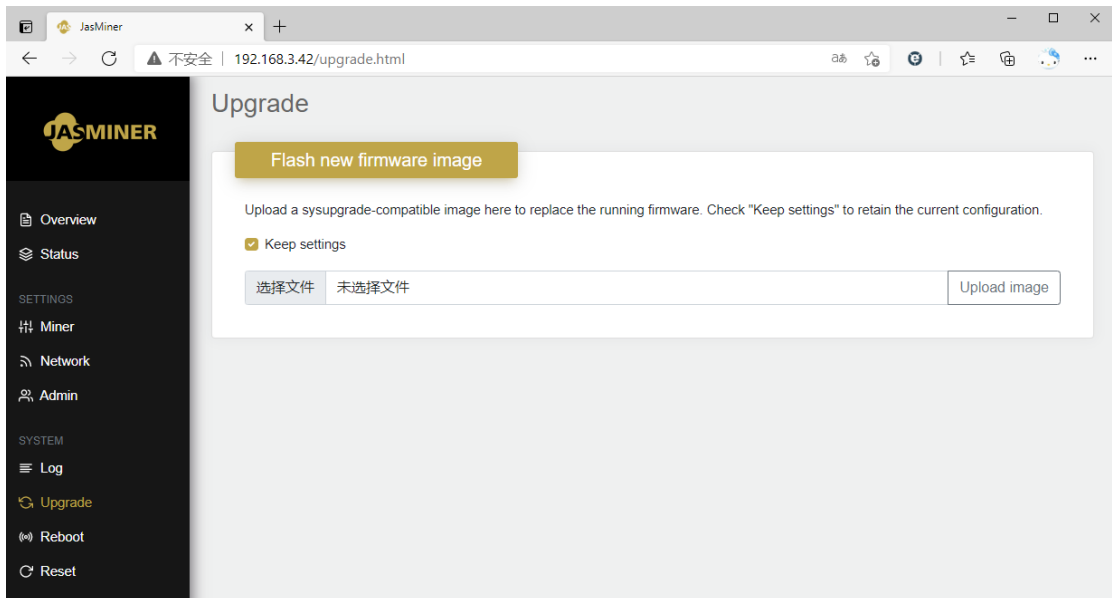
b) Modify login password: If you need to change the login name and password. Select the "admin" configuration item. The default login name of the device is root and the default password is root. After the change, click "update" to take effect.



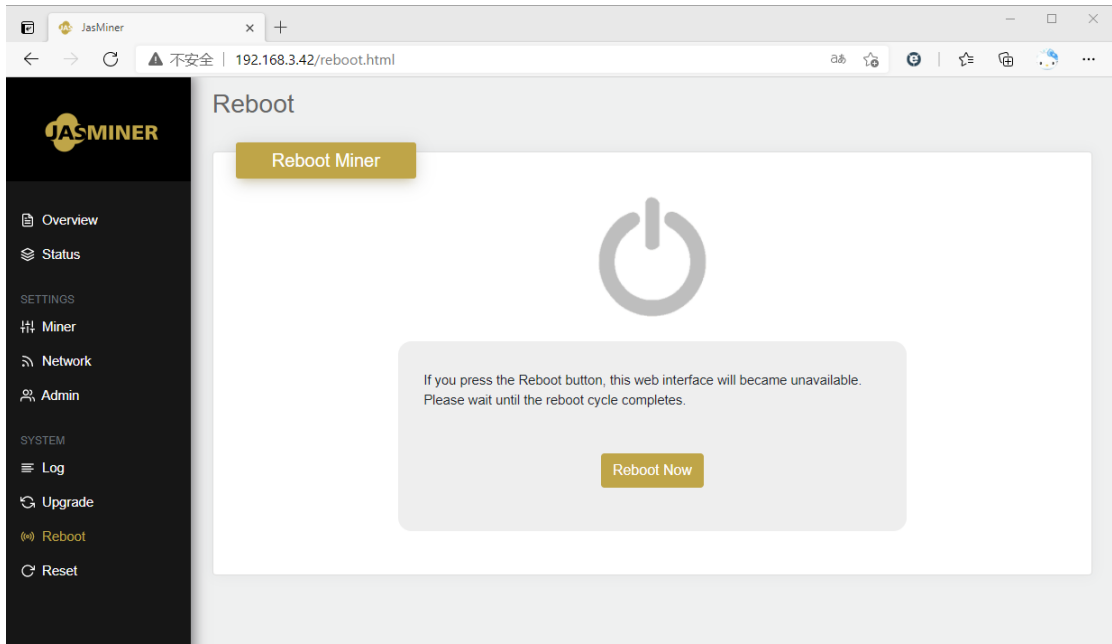
c) View log: If you want to view the log information of the system operating. You can select the "log" option.



d) Upgrade system firmware: Select the "upgrade" option, select the firmware to be upgraded, and click "upload image" to complete the upgrade operation.



e) Restart the device: Select "reboot" and click "reboot now".



f) Restore the device to the factory settings, select "reset", and click "reset now".

