BITMAIN

S2 Server Manual

Contents

1 Overview

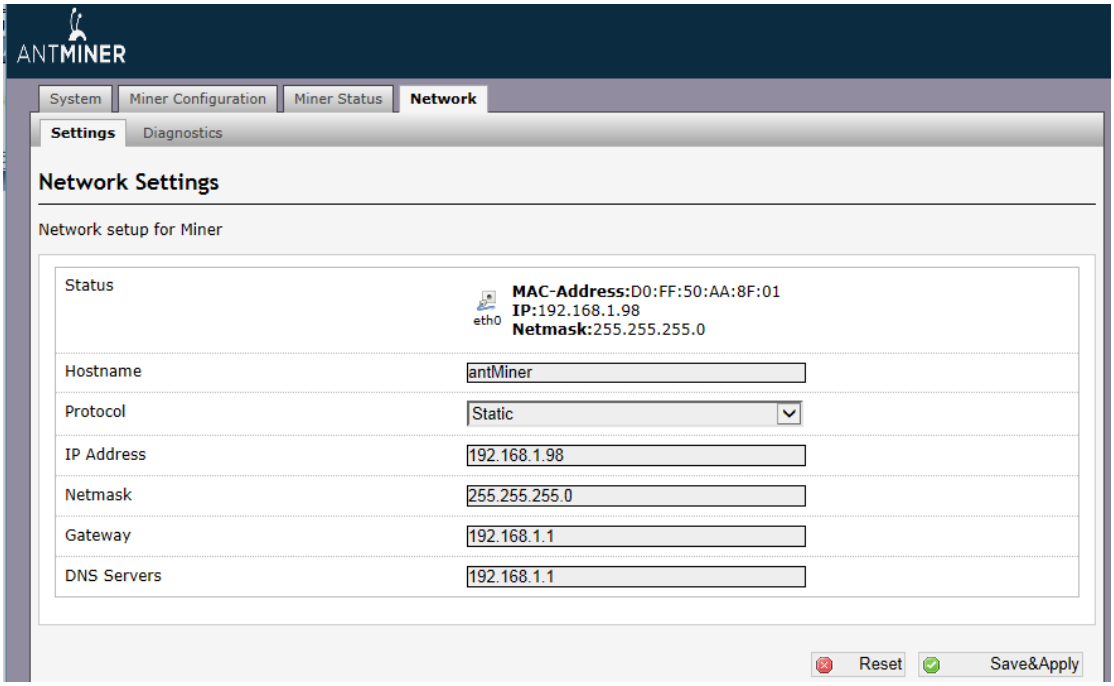
S2 server is a chassis style 1TH/s bitcoin server with PSU. It has been assembled before Fab out.

1000W PSU: when you set up S2 server, only need to connect to AC 220V/50Hz or 110V/60Hz.
LCD screen: here show IP Address, Hashrate, the highest temperature. There are also Status LEDS, Reset button and Beeper on the screen.
All 5 fans for cooling, 4 bigger fans, one small fan.
Casing size: 442mm*432mm*177mm, which is suitable to install in the server cabinet.

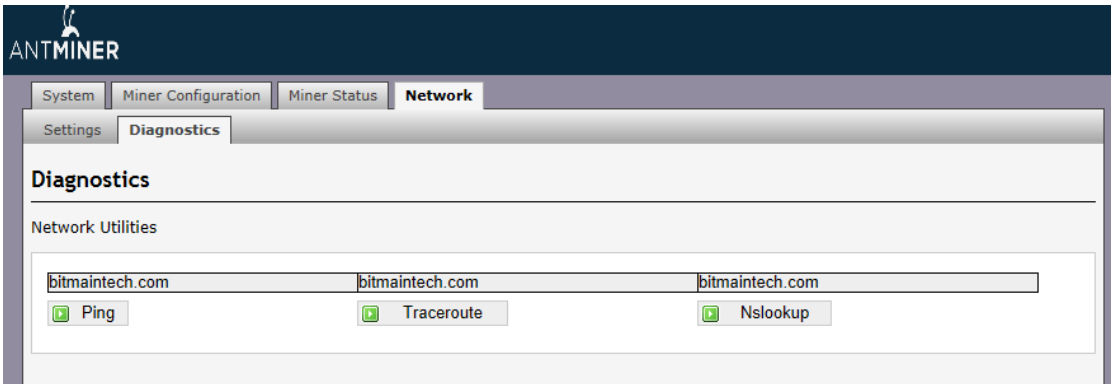
2 Connect to Server

Step 1. Manually set up your PC's IP address in the network segment same as the server's IP address. Default IP address of S2 is 192.168.1.99 by default, set up PC's address to 192.168.1.x. Step 2. Connect server and your PC via network cable.
Step3. Enter server's IP address into your web browser, then login management interface, both of username and password is 'root' by default.

Through 'Network', you will be able to modify S2 server IP address, and choose 'Save and Apply' after modifying it.

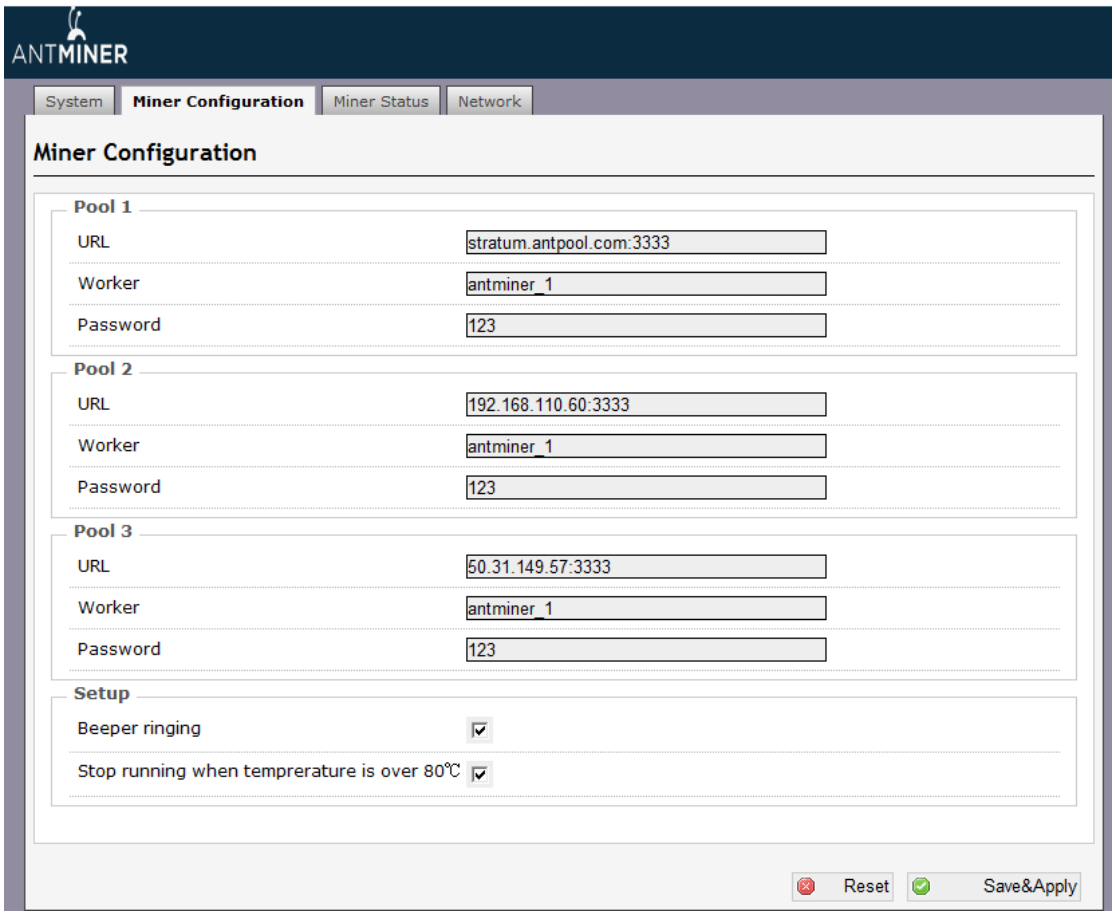


Through Diagnostics page, you can check your network connection.



3 Pool Setting

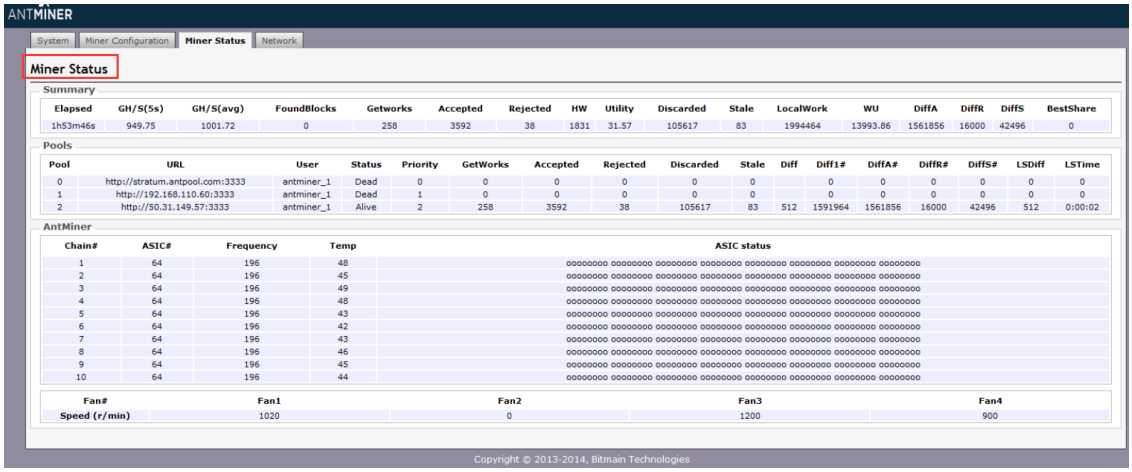
Through 'Status->Configuration ', you will be able to configure your server.
Pool URL-In this field you should enter the URL of your desired pool.
Worker- This is your worker ID on the selected pool.
Password- This is the password for your selected worker.
Comment:
2.3.1 The server can setup three mining pools, the priority decreases from first pool (pool 1) to third pool (pool 3). **The low priority pool will start to work, only when the high priority pool encounter fault.**
2.3.2 When 'Beeper ringing' is chosen, beeper is to alert once the server stops running, otherwise beeper won't alert, even if the server stops running.
2.3.3 When 'Stop running when temperature is over 80℃' is chosen, the server won't run if the temperature is over 80℃' to protect the server. If it's not chosen, the server will continue running even in high temperature.
Click 'Save & Apply' to save and restart server.



4 Server Status

4.1 Server Status web page

Click the status marked below, you will be able to check your server running status.



ASIC#: ASIC number in the chain

Frequency: ASIC setting frequency

Temp: Temperature, centigrade

ASIC status: o stands for OK, x stands for error.

4.2 LCD Screenshot

IP address: 192.168.1.98.

Hash rate: 1255.82 GH/s, average speed every one minute.
Temperature: the maximum value among all collected data.

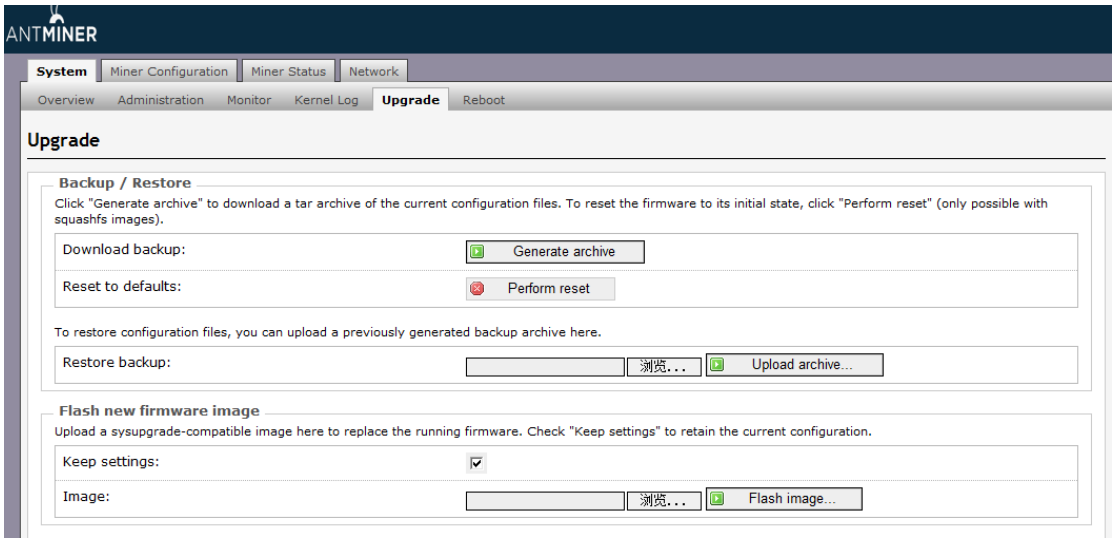
4.3 LED and beep

4.3.1 When the server is running well, green LED flashing with 1 second interval. If network is off for more than one minute, Green LED will be off and beeper rings.
4.3.2 Red LED is Fault alert, which keep off when server is running well. When the temperature is higher than 80 Degree Celsius and some fans are spinning up, red LED flashing with 1 second interval; when the temperature is higher than 80 Degree Celsius and all fans are not spinning up, red LED keep lighting and beeper rings.

5 System Configuration and Status

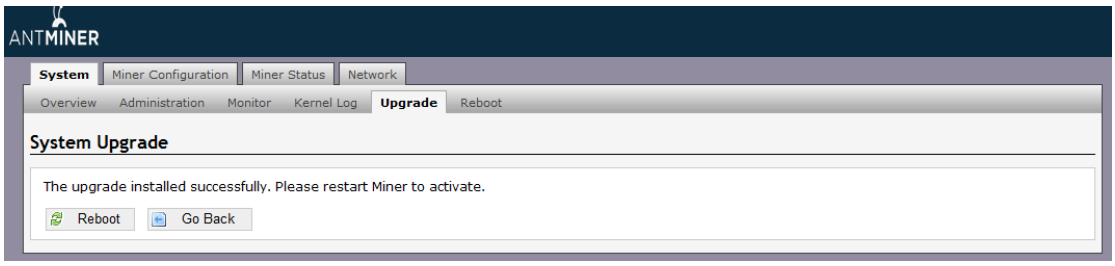
5.1 System Upgrading

Through 'System->Upgrade' you will be able to upgrade your server.



'Keep setting' is chosen by default, you should choose it if you hope to preserve the current settings. You should cancel this option if you hope to restore to initial settings.

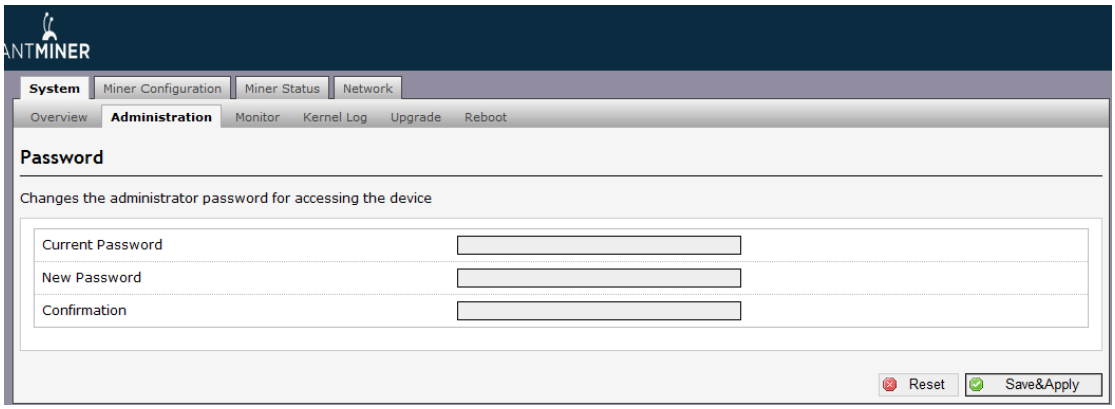
Click 'Browse' button to choose upgrade file. After choosing upgrade file, then click 'Flash image...' button, it will remind when upgrading software, start to download software after choosing upgrading software. During the upgrade process, you need to **wait patiently, and must keep power on, otherwise, the server should be shipped to factory to restore.** You will see bellow screenshot after upgrading successfully.



Choose 'Reboot' button, server will restart and run the new system. Choose 'Go Back', the server will continue running the old system, will run new system when power on next time.

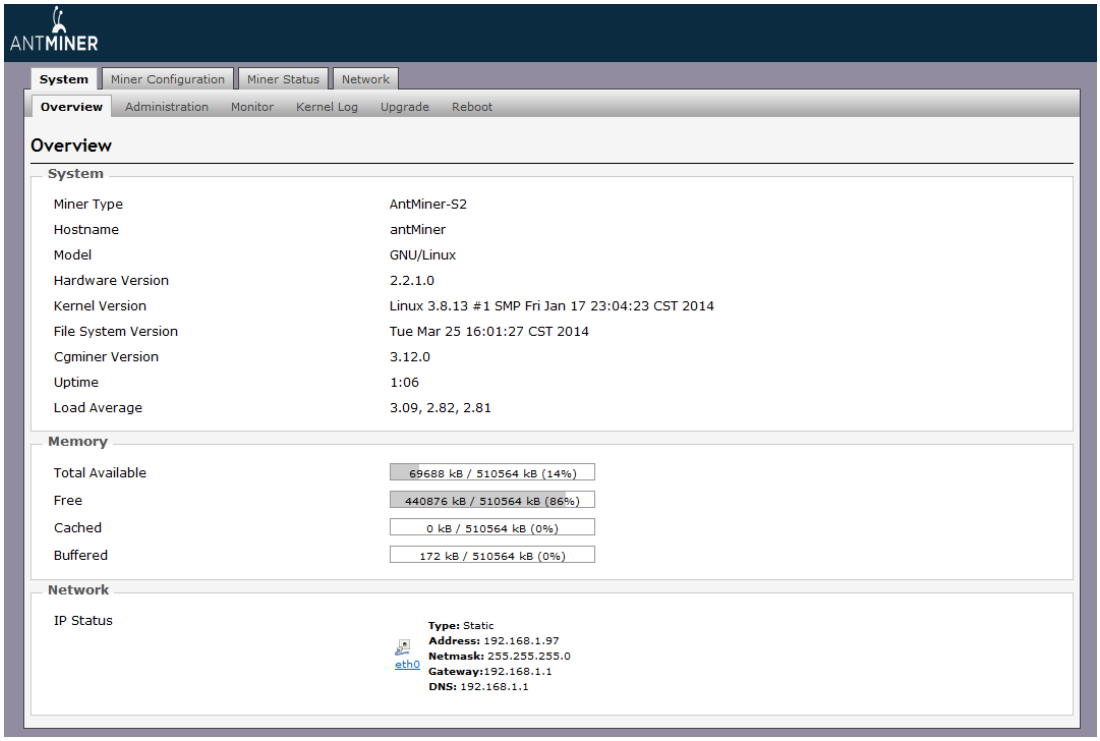
5.2 Password Modification

Through 'System->Administration', you will be able to modify the server login password, and choose 'Save' and 'Save and Apply' after modifying it.



5.3 Software Version Checking

Through 'System->Overview', you will be able to check the software version you used.
After upgrading the software, to check if you are using the latest version of software via 'File System Version'.



5.4 Restore Initial Setting

Press the 'Reset' button on the left bottom of LCD screen and hold on for 3 seconds, red led flashing every one second/ 1S. Release 'Reset' button, the server will restore the initial setting and restart automatically.

Regulation:

FCC Notice (FOR FCC CERTIFIED MODELS):

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 A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with 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.

EU WEEE: Disposal of Waste Equipment by Users in Private Household in the European Union

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handling it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where your purchased the product.

台湾 ROHS:

設備名稱：　　，型號：

單元	有害物质					
	鉛 (Pb)	汞 （Hg）	鎘 （Cd）	六價鉻 (Cr+6)	多溴聯苯 （PBB）	多溴二苯醚 （PBDE）
外殼	○	○	○	○	○	○
電路板組件	—	○	○	○	○	○
其他線材	—	○	○	○	○	○

備考 1. "超出 0.1 wt %" 及 "超出 0.01 wt %" 係指限用物質之百分比含量超出百分比含量基準
值。
備考 2. "○" 係指該項限用物質之百分比含量未超出百分比含量基準值。
備考 3. "－" 係指該項限用物質為排除項目