



# BITMAIN AntMiner Asic Miner User Manual

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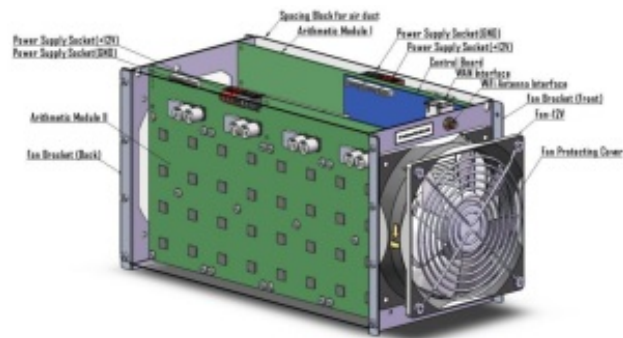


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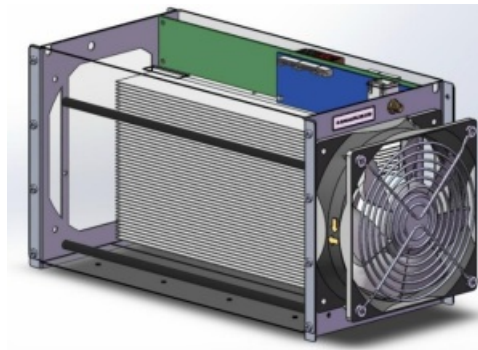
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## The first glance

AntMiner S1 is a blade-style miner, which contains two blades. It has been assembled before Fab out. Bellow screen shows all AntMiner S1's components:



One blade miner can work separately, it is shown in bellow:

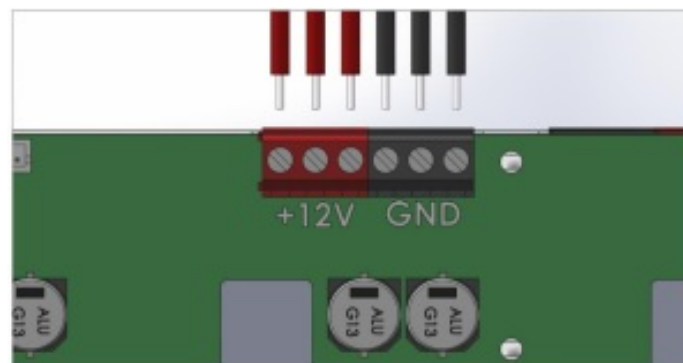


#### Notice:

1. You should prepare your own ATX Power Supply.
2. To connect your Miner via WIFI, you should prepare your own WIFI antenna.

### Power Supply

Connect the 12V Power line to the Power Supply socket. Note not to reverse positive (+12V) to negative (GND).



### Connect to Miner

#### 3.1 WAN setting

**Step 1.** Read the IP address labeled in the Fan Bracket (Front). Manually set up your PC's IP address in the network segment same as the miner's IP address.



**Step 2.** Connect miner and your PC via network cable.

**Step 3.** Enter miner's IP address into your web browser, then login miner management interface, both of username and password is 'root' by default.

**Setp 4.** Set LAN as DHCP client. Click "Network->Interface->LAN", select DHCP client like the following page, and then click "Switch Protocol", and then click "Save & Apply". **The default LAN value of the first several batches is fixed to 192.168.1.1, and the WAN address can't be set as 192.168.1.x, otherwise, the AntMiner can't be accessed.** If your miner's LAN is set as DHCP by default, please ignore this step.



**Step 5.** Modify the IP address of the WAN interface. Click "Network->Interface->WAN" to modify the IP address of WAN on the following page.

AntMiner Configuration

General Setup | Advanced Settings | Physical Settings | Firewall Settings

Status

Uptime: 0h 11m 25s  
 MAC-Address: 08:23:CD:08:08:7C  
 RX: 1.51 MB (10298 Pkts.)  
 TX: 3.48 MB (6803 Pkts.)  
 IPAddr: 192.168.1.51/24

Protocol: Static address

IPv4 address: 192.168.2.51

IPv4 netmask: 255.255.255.0

IPv4 gateway: 192.168.2.1

IPv4 broadcast: 192.168.2.255

Use custom DNS servers: 192.168.2.1

DHCP Server

General Setup

Ignore interface: ☒ Disable DHCP for this interface.

Reset Save Save & Apply

## Note:

1. WAN and LAN can't be at the same network segment. Please set WAN to DHCP client or different network segment with WAN. The LAN of a new version of the container will be set to DHCP by default.
2. If you set fixed IP to WAN interface, please remember it, otherwise, you may not access the miner.

## 3.2 WIFI setting

There is WIFI built-in in the container, and it can be used to connect to the Ethernet via another WIFI hot point. Note: Bad WIFI performance will reduce the miner's hash rate. You have to prepare the WIFI antenna by yourself. Through "Network->Wifi" you can click "Scan" and then add the existing WIFI signals in your environment.

ANTMINER

Status | System | Network | Logout

Interfaces | WiFi | DHCP and DNS | Hostnames | Static Routes | Firewall | Diagnostics

Wireless Overview

Generic MAC0211 B02.11bgn (radio0) Scan Add

No network configured on this device

Associated Stations

SSID	MAC-Address	IPv4-Address	Signal	Noise	RX Rate	TX Rate
Collecting data...						

## Pool Setting

Through 'Status->Miner Configuration', you will be able to configure your miner. Pool URL- 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. In general, passwords can be set casually. Comment: AntMiner can set up three mine pools, the priority decreases from the first pool (pool 1) to the third pool (pool 3). The low priority pool will start to work, only when the high priority pool encounter fault.

The screenshot shows the 'Miner Configuration' page in the AntMiner web interface. It features three tabs: 'Status', 'System', and 'Network'. The 'Miner Configuration' tab is active, displaying a table with three rows for different mining pools. Each row contains fields for the pool name, worker, password, and a 'Reset' button. The pools are configured as follows:

Pool	Worker	Password
Pool 1	http://stratum.btcgokid.com:3333	stratum_1
Pool 2	http://www.antpool.com:8088	stratum
Pool 3	stratum+tcp://stratum.50btc.com:3333	info@btminer.tech

At the bottom right, there are three buttons: 'Reset', 'Save', and 'Save & Apply'.

## Miner Status

Through 'Status-> Miner Status', you will be able to check your miner running status. ASIC#: ASIC number in the chain Fan: Fan speed  
Temp: Temperature, centigrade Frequency: ASIC setting frequency ASIC status: o stands for OK, x stands for error.

The screenshot shows the 'Miner Status' page in the AntMiner web interface. It features three tabs: 'Status', 'System', and 'Network'. The 'Miner Status' tab is active, displaying a summary section and a table of miner status. The summary section shows the following data:

Elapsed	MinSec	FoundBlocks	GetWorks	Accepted	Rejected	HW	Utility	Discarded	State	GetFailures	LocalWork	RemoteFailures
This section contains no values yet												

The table of miner status shows the following data:

Pool	ASIC	Status	Priority	IP	GetWorks	Accepted	Rejected	Discarded	State	GP	BP	User	LastShareTime	DiffShare	DiffB	GPB
This section contains no values yet																

At the bottom, there is a section for 'ASICs' with a table showing the following data:

Status	Model	MinerCount	ASICCount	Frequency	Fan1	Fan2	Fan3	Temp1	Temp2	Temp3	HW	Pressure
This section contains no values yet												

## System Configuration

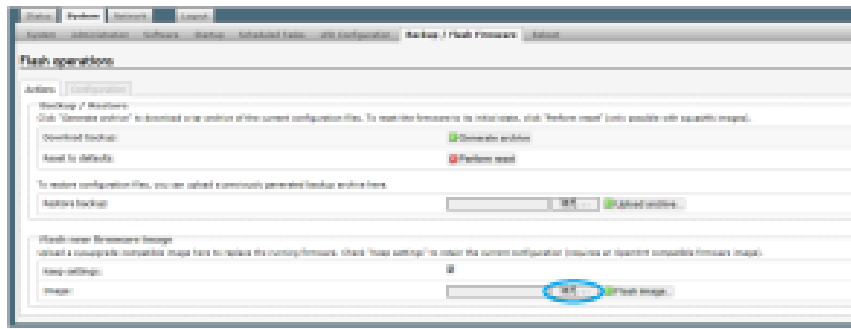
### 6.1 Password Modification

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

The screenshot shows the 'Router Password' page in the AntMiner web interface. It features three tabs: 'Status', 'System', and 'Network'. The 'System' tab is active, displaying the 'Router Password' section. The page contains two input fields for 'Password' and 'Confirmation', each with a 'Show/Hide' button. Below the input fields, there are two buttons: 'Save' and 'Save & Apply'.

### 6.2 System Upgrading

Through 'System->Backup / Flash Firmware' you will be able to upgrade your miner.



'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 it to initial settings. Click the 'Browse' button to choose the upgrade file. After choosing the upgrade file, then click the flash image...' button to start downloading this file to your system. After downloading, please click the 'Proceed' button, then upgrade the system. During the upgrade process, you need to wait patiently and must keep the power on, otherwise, AntMiner will restore to initial settings. AntMiner will be connected to the login interface after finishing the system upgrade.

## AntMiner Manual

Last updated: 11/26/2013

### Documents / Resources

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