



A8+ CryptoMaster USER MANUAL



Table of Contents

1. OVERVIEW	1
2. MINER ASSEMBLE	2
2.1 Check the miner before power on	2
2.2 Connect the PSU	3
2.3 Connect the Ethernet Cable	3
3. OPERATE THE MINER	4
3.1 Enter the miner console	4
3.2 Modify the pool settings	5
3.3 Check the hashrate	6
3.4 Network	6
3.5 Other pages	7

1. OVERVIEW

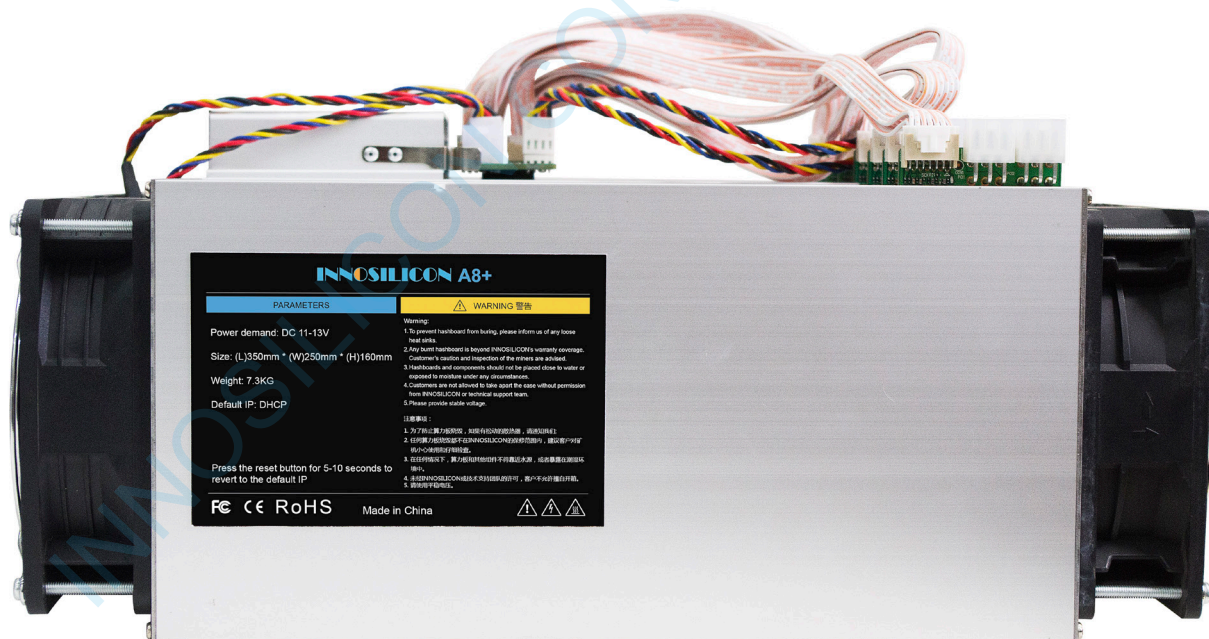


Part Number	A8+
Hash Rate	240kh/s (+-8%)
Power	480W +/-8%
Size (L×W×H)	(L)350mm*(W)250mm*(H)160mm
Net Weight	7.3KG (without PSU)
Operating Temperature	0-40 °C
Required rated PSU	600W or above, 17 * PCI-E 6Pin
Network Connection	Ethernet

2. CABLE CONNECTION

2.1 CHECK THE MINER BEFORE POWER ON

- Check the warranty sticker is well or not, especially the hashboards PSU port side. If the warranty sticker is damaged when you received the miner, please contact our After-sales.
- Before you power on the miner, shake the miner softly, if you can hear the sound of metal banging on metal, please contact our After-sales.
- Check if the fan work well, if you find the fans broken please contact our After-sales.
- Check the cable connection, if it is different from below picture, please connect the cables as below.



2.2 CONNECT THE PSU

Every hash board needs to be inserted with 2 PSU cables, controller only needs 1 PSU cable according to the following image .



2.3 CONNECT THE ETHERNET CABLE

Insert one end of the Ethernet cable into the router and the other end into the slot shown in the following image, you should plug in the miner one by one, only when you have accomplished IP Setting of the previous one you can plug in another miner .



IP SET button: Press it more than 5 seconds to recover the IP to 192.168.1.254.

RESET button: Your miner will restart if you press it. It wont recover your settings to the default.

3. OPERATE THE MINER

3.1 ENTER THE MINER CONSOLE

DHCP(the Normal led on the control board should be blinking) is the default IP mode of the miner, find the IP via the router or the IP scanner.

Enter the IP of the miner on the browser and press the Enter button. The chrome is the suggested browser.



3.2 MODIFY THE POOL SETTINGS

INNOSILICON

Miner Status

General Settings

System

Network

Pool Settings

Pool1

URL

stratumtcp://xmc-bj.ss.poolin.com:1800

Worker

kgdu.0001

Password

x

Pool2

URL

Worker

Password

Pool3

URL

Worker

Password

Pool4

URL

Worker

Password

Advance

Manual control

Auto control

(Note: software auto search base values.)

Performance Level

High Hashrate Mode with more power consumption

Frequency

1100

(Note: VID 175 is our default voltage setting and the most suitable value of VID may vary from miner to miner. User can slightly adjust VID up or down to get the best performance. 1000MHz is our default frequency with voltage VID range of 175 to 150. The lower VID value means the higher voltage. If you want to try higher overclock frequency, you may need to adjust VID to be lower.

Warning: overclock is at your own risk and vary in performance. It may damage miner in overheating condition.)

Miner Operational Voltage (Level)

175

1

Go To Config

INNOSILICON

Fri Apr 13 2018 15:05:47 GMT+0800 (中国标准时间)

2

Hello Miner

M

password

Default password is 12345678

Welcome to Miner

INNOSILICON

Miner Status

General Settings

System

Network

Settings

Pool1

Main pool

URL

stratumtcp://xmc-bj.ss.poolin.com:1800

Worker

kgdu.0001

Password

x

Pool2

Backup pool

URL

Worker

Password

Pool3

Backup pool

URL

Worker

Password

Pool4

Backup pool

URL

Worker

Password

Advance

Manual control

Auto control

(Note: software auto search base values.)

Auto Search

Frequency

1100 (overclock)

(Note: 1000MHz is our high hashrate frequency with voltage VID range of 175 to 150. The lower VID value means the higher voltage or higher power consumption. If you want to try overclock frequency, you usually need to adjust VID to be lower. Warning: overclock is at your own risk and vary in performance from miner to miner. It may damage miner in overheating condition.)

Miner Operational Voltage (Level)

175 (default)

(Note: VID 175 is our default voltage setting and the most suitable value of VID may vary from miner to miner. User can slightly adjust VID up or down to get the best performance. 1000MHz is our default frequency with voltage VID range of 175 to 150. The lower VID value means the higher voltage. If you want to try higher overclock frequency, you may need to adjust VID to be lower.

Warning: overclock is at your own risk and vary in performance. It may damage miner in overheating condition.)

save the pool setting

Save

save the Frequency and VID

Save

3

Submit All

3.3 CHECK THE HASHRATE

The miner will work for you after you complete the configuration, then you can check the hashrate.

Miner Status

Summary

Running Time	Accepted / Rejected	HW	Fan Speed	Total HashRate (MH/s)
00d 01h 42m 33s	551 / 2	0	10%	289.76

Miner Info

Chain#	Accepted / Rejected	HW	Temp min / Temp max / Temp avg	Status	HashRate (MH/s)
1	551 / 2	0	25.0 / 25.0 / 25.0	Running	289.76
2	551 / 2	0	25.0 / 25.0 / 25.0	Running	289.76
3	551 / 2	0	25.0 / 25.0 / 25.0	Running	289.76
4	551 / 2	0	25.0 / 25.0 / 25.0	Running	289.76
5	551 / 2	0	25.0 / 25.0 / 25.0	Running	289.76
6	551 / 2	0	25.0 / 25.0 / 25.0	Running	289.76
7	551 / 2	0	25.0 / 25.0 / 25.0	Running	289.76
8	551 / 2	0	25.0 / 25.0 / 25.0	Running	289.76

Pools

The using pool

Pool	URL	User	Status	GetWorks	Accepted	Rejected
Stratum	stratum+tcp://pool.miningpool.com:3333	user	Running	100	551	2

3.4 NETWORK

Settings

Network Status

Current IP

Type:dhcp
IP Address:10.10.1.108
Netmask:255.255.252.0
Gateway:10.10.0.1
Dns:8.8.8.8,114.114.114.114

Network Settings

☒ DHCP ☐ Static IP mode

IP Address: 10.10.1.108

Netmask: 255.255.252.0

Gateway: 10.10.0.1

DNS Servers 1: 8.8.8.8

DNS Servers 2: 114.114.114.114

Save the IP setting

3.5 OTHER PAGES

INNOSILICON

Miner Status

General Settings

System

Overview

Administration

Upgrade

Reboot

Network

Fri Apr 13 2018 13:45:20 GMT+0800 (中国标准时间)

Overview

Version

Miner Type	19
Hw Version	control board Version
MAC Addr	A0:B0:45:01:52:97
Build Date	Firmware Version
Platform Version	b1de7b6849cb60535243777ad3f0bf03c3a19cb2.0
Rootfs Version	b1de7b6849cb60535243777ad3f0bf03c3a19cb2

System

Status	05:45:52 up 1:51, 0 users, load average: 2.99, 2.69, 2.48
Memory Available	44724 kb / 252340 kb (18%)
Memory Free	207616 kb / 252340 kb (82%)
Cached Available	35936 kb / 252340 kb (14%)
Cached Free	216404 kb / 252340 kb (86%)

Network

IP Status	<div>Address: 10.10.1.108</div> <div>Netmask: 255.255.252.0</div> <div>Gateway: 10.10.0.1</div> <div>Dns: 8.8.8.8, 114.114.114.114</div>
-----------	--

INNOSILICON

Miner Status

General Settings

System

Overview

Administration

Upgrade

Reboot

Network

Fri Apr 13 2018 13:43:35 GMT+0800 (中国标准时间)

Administration

Modify the password

Password

Current Password	Current Password
New Password	New Password
Confirmation	Confirmation

Save Password

INNOSILICON

Miner Status

General Settings

System

Overview

Administration

Upgrade

Reboot

Network

Fri Apr 13 2018 13:45:40 GMT+0800 (中国标准时间)

Upgrade

Upgrade

(Chrome Browser is preferred)

Upgrade the latest firmware image (recommended)

Note that update bin file should be obtained from the support center of internet to replace the running firmware, check "Keep user settings" button to retain user current account configurations.

Approach 1 (recommended): Use internet to download the update bin file, complete the firmware upgrade then recycle the power, please follow instruction manual.

Please DO NOT power off during upgrade, Use ctrl+F5 to refresh. After the upgrade 100% completion, system should automatically reboot, if not, please manually reboot the miner.

Keep User Settings

Return To Factory Default Settings

Image:

Choose file

Apply

Please download the update bin file from the URL in the instruction manual and apply it here

INNOSILICON

Miner Status

General Settings

System

Overview

Administration

Upgrade

Reboot

Network

Fri Apr 13 2018 13:46:04 GMT+0800 (中国标准时间)

Reboot

Reboot

Reboot

Reboot the operating system of your device and allow firmware update to take effect from internet or SD card

Reboot