

INNOSILICON

A8+ CryptoMaster USER MANUAL



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1. OVERVIEW

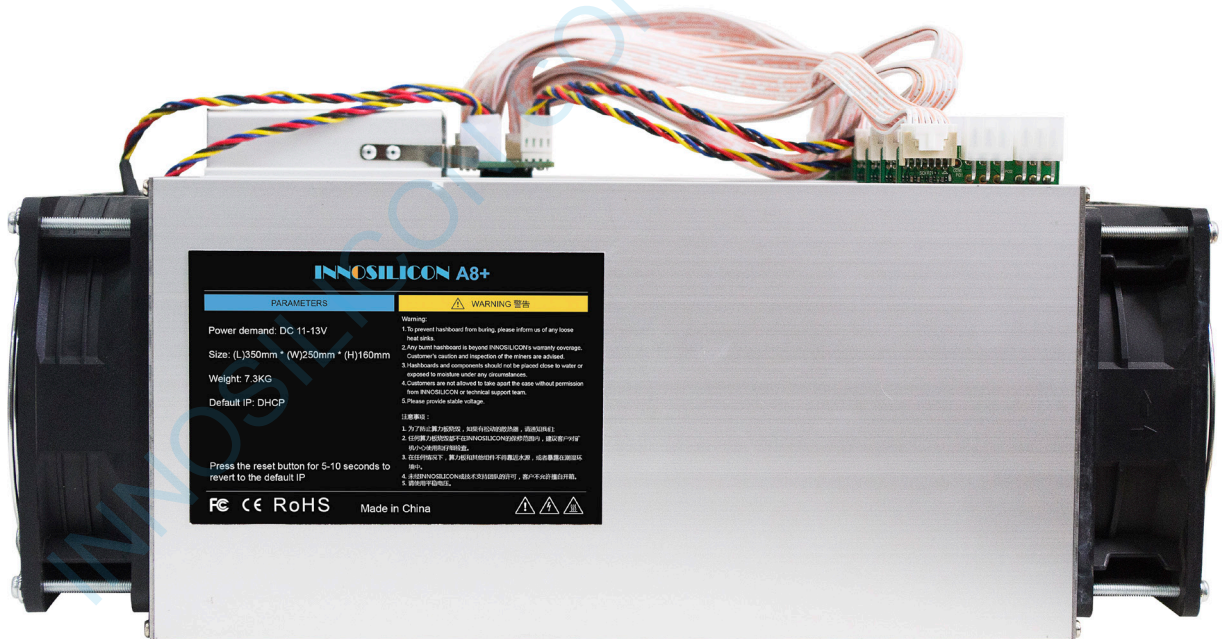


Part Number	A8+
Hash Rate	240kh/s (+-8%)
Power	480W +/-8%
Size (L×W×H)	(L)350mm*(W)250mm*(H)160mm
Net Weight	7.3KG (without PSU)
Operating Temperature	0-40 °C
Required rated PSU	600W or above, 17 * PCI-E 6Pin
Network Connection	Ethernet

2. CABLE CONNECTION

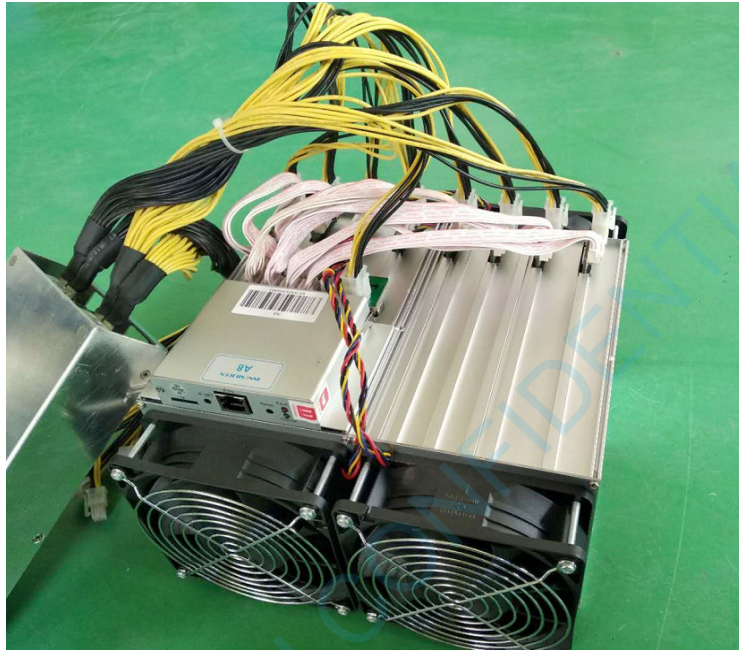
2.1 CHECK THE MINER BEFORE POWER ON

- 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

Pool Settings

Pool1
URL: stratumn+tcp://xmc-bj.ss.poolin.com:1800
Worker: kgdu.0001
Password: *

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**
password [password](#)
Welcome to Miner

Default password is 12345678

Settings

Pool1 **Main pool**
URL: stratumn+tcp://xmc-bj.ss.poolin.com:1800
Worker: kgdu.0001
Password: *

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.)

3 [save the pool setting](#) [Save](#)

[save the Frequency and VID](#) [Save](#)

3.3 CHECK THE HASHRATE

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

Running Time	Accepted / Rejected	HW	Fan Speed	Total HashRate (MH/S)
00d 01h 42m 33s	551 / 2	0	10%	269.76

Chain#	Accepted / Rejected	HW	Temp min / Temp max / Temp avg	Status	HashRate (MH/S)

Pool	URL	User	Status	GetWorks	Accepted	Rejected

3.4 NETWORK

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 & Apply

Save the IP setting

3.5 OTHER PAGES

Overview

Version

Miner Type	19
Hw Version control board Version	G19
MAC Addr	A0:B0:45:01:52:97
Build Date Firmware Version	2018-04-10 20:22:52
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

Address: 10.10.1.108
 Netmask: 255.255.252.0
 Gateway: 10.10.0.1
 Dns: 8.8.8.8, 114.114.114.114

Modify the password

Administration

Password

Current Password:

New Password:

Confirmation:

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:

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

Reboot

Reboot

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