



BITMAIN S9 AntMiner D3 Server Installation Guide

[Home](#) » [BITMAIN](#) » BITMAIN S9 AntMiner D3 Server Installation Guide 

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ANTMINER

D3 Server

Installation Guide

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Contents

- [1 S9 AntMiner D3 Server](#)
- [2 Overview](#)
- [3 Connecting the Power Supply](#)
- [4 Setting Up Server](#)
- [5 Configuring the Server](#)
- [6 Monitoring Your Server](#)
- [7 Administering Your Server](#)
- [8 Documents / Resources](#)
 - [8.1 References](#)
- [9 Related Posts](#)

S9 AntMiner D3 Server

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Overview

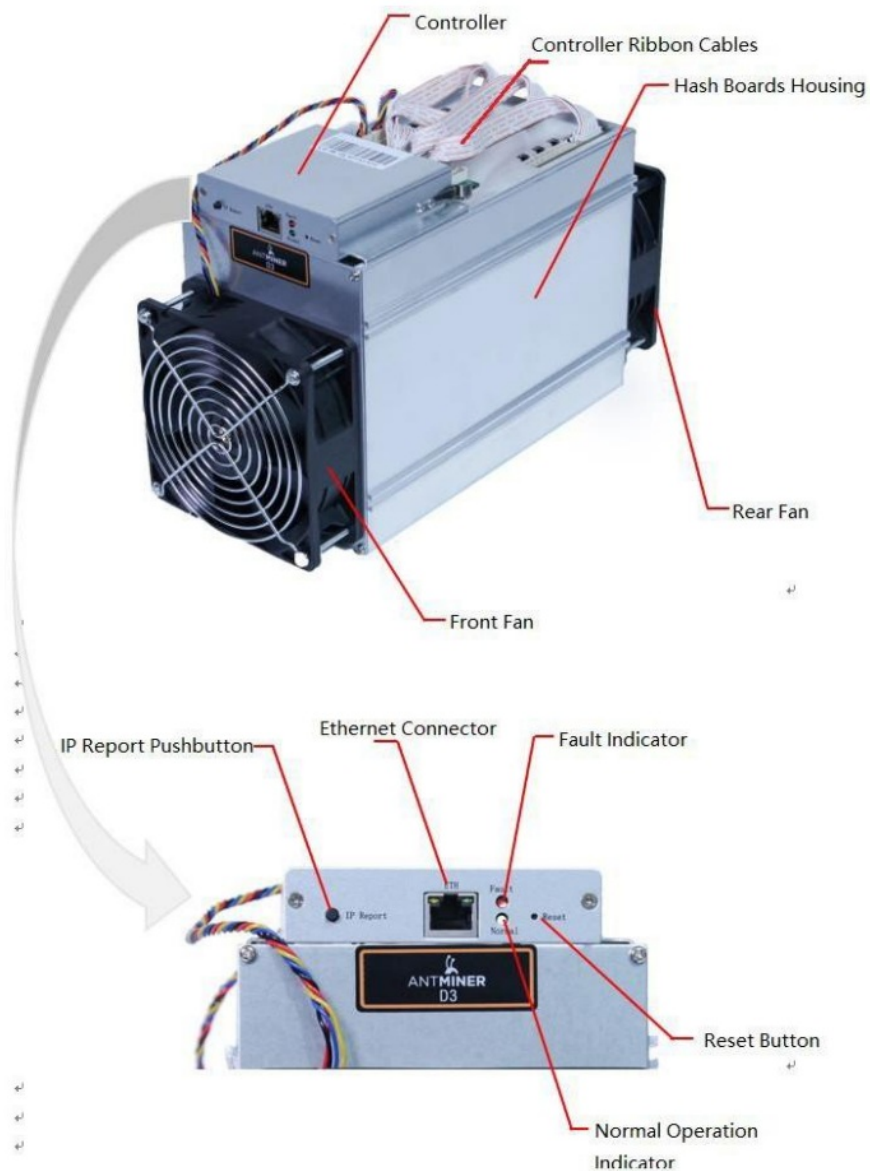
The D3 server is Bitmain's newest version in the D3 server series. It boasts a state-of-the-art BM1760 custom-made chip using 28nm technology. All D3 servers are tested and configured prior to shipping to ensure easy set up.



Power supply unit is not included. Please provide your own ATX power supply.

1.1 D3 Server Components

The D3 server main components and controller front panel are shown in the following figure:



1.2 Specification


Hash Rate	17 GH/s±5%
Rated voltage	11.60 ~ 13.00V
Frequency	487M
Estimated wall outlet power consumption (with APW3, 93% efficiency, 25°C ambient temperature)	970W + 7%
Estimated wall outlet power efficiency (with APW3, 93% efficiency, 25°C ambient temperature)	57mJ/MH + 7%
Dimensions (L x W x H)	320mm*130mm*190mm
Net weight without packaging	4.2kg
Operating ambient temperature	0 ~ 40°C

i The server does not contain a DC/DC converter; therefore, higher input voltage will cause higher Mining efficiency.

Connecting the Power Supply

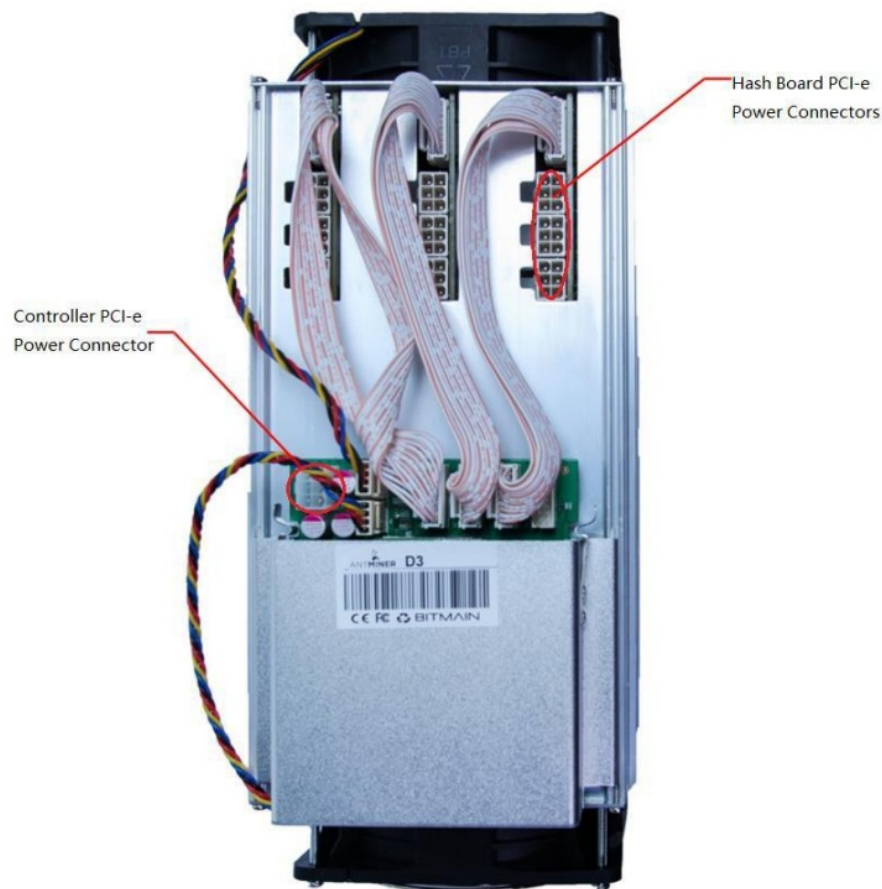
Ten PCI-e connectors are located at the top of the D3 server for connecting the PSU as follows:

- Nine PCI-e connectors for the hash boards. Each hash board has a set of three PCI-e connectors.
- One PCI-e connector located on the controller.


 Each hashboard must be powered by the same PSU on both connectors to prevent Possible damage and instability.

To connect the power supply:

1. Connect PSU power cable connectors to each of the nine PCI-e connectors on the top of the D3 server , ensuring that each hash board is powered by the samePSU.



2. Connect a PSU power cable connector to the D3 server PCI-e connector on the controller.
3. Connect the network cable to the ETH port. (WIFI is unavailable for servers)
4. To power up your D3 server, connect the PSUs to the power wall outlet.

 If you are using more than one PSU, power up the PSU connected to the controller AFTER you have powered up the other PSU(s).

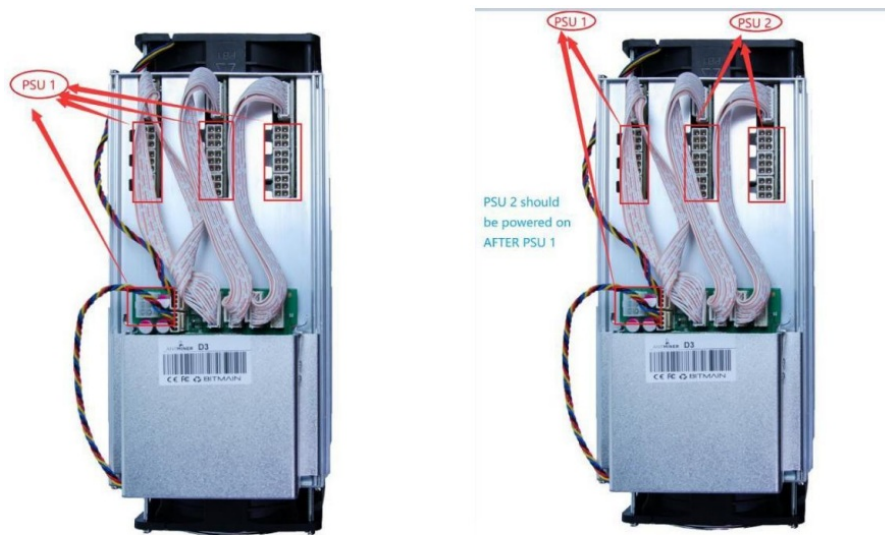


Figure 2-1. PCI-E Connectors - Correct Connection



Figure 2-2. PCI-E Connectors - Incorrect Connection

Setting Up Server

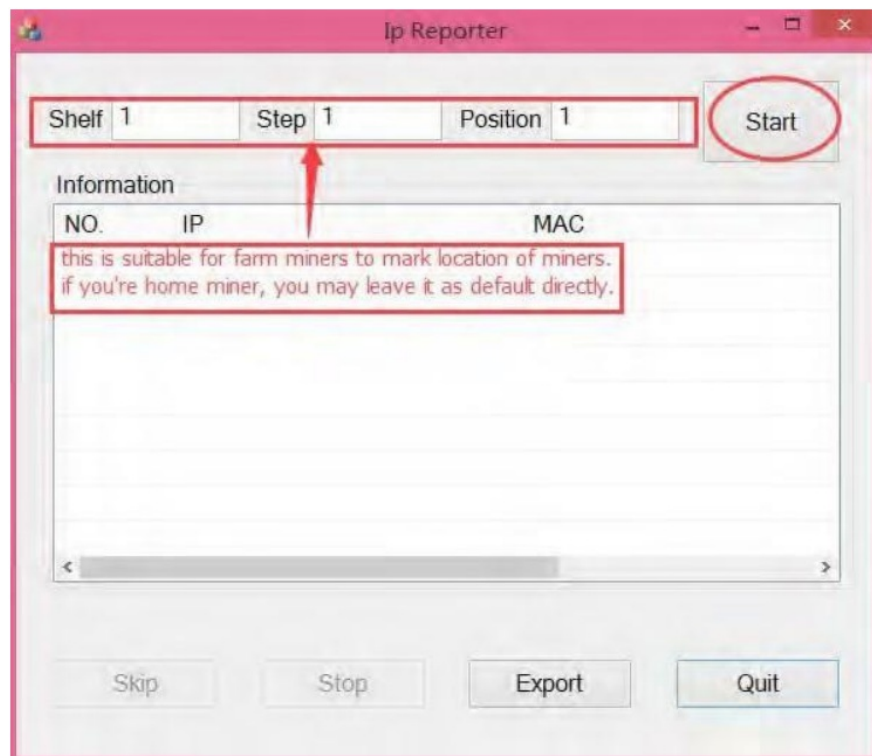
To set up the server:

i The file IPReporter.zip is supported by Microsoft Windows only.

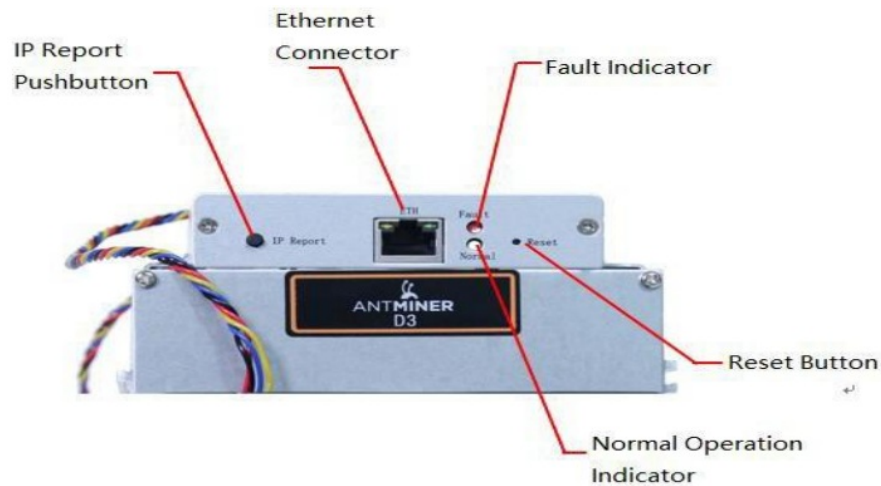
1. Go to the following site: <https://shop.bitmain.com/support/download>
2. Choose 'Others' and download the file: IPReporter.zip
3. Extract the file.

i The default DHCP network protocol distributes IP addresses automatically.

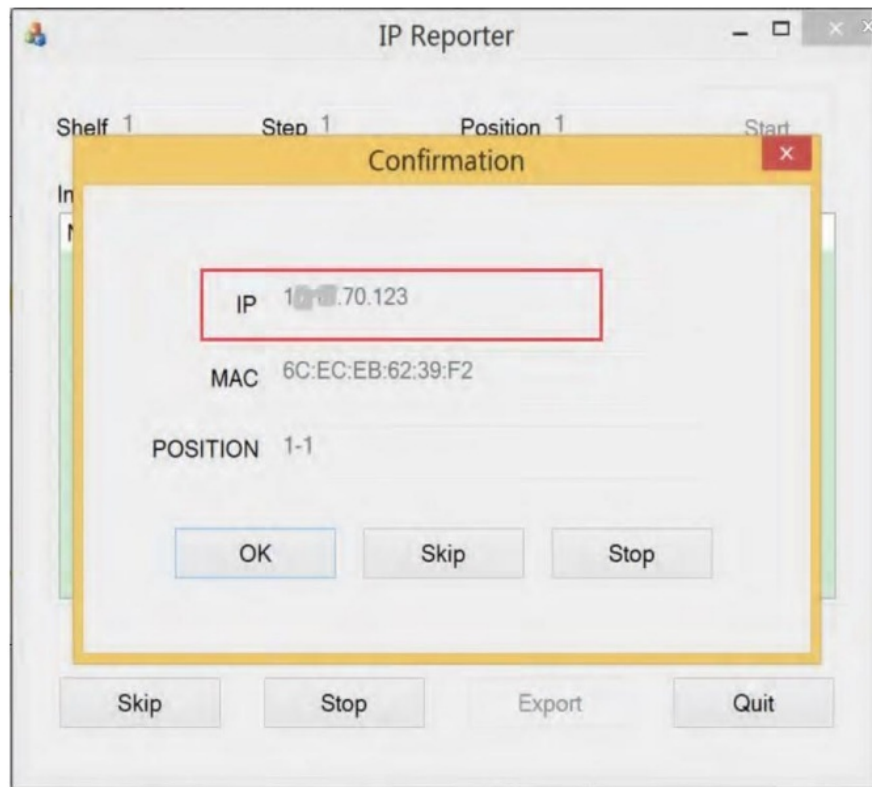
4. Right-click IPReporter.exe and run it as Administrator.
5. Select one of the following options:
 - Shelf, Step, Position – suitable for farm servers to mark the location of the servers.
 - Default – suitable for home servers.
6. Click Start.



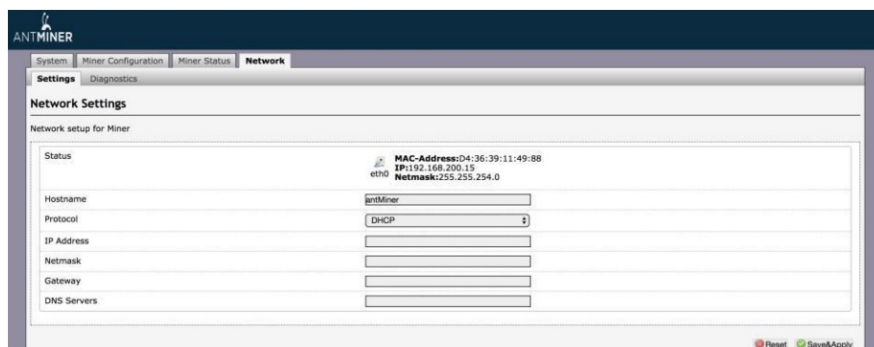
7. On the controller board, click the IP Report button. Hold it down until it beeps (about 5 seconds).



The IP address will be displayed in a window on your computer screen.



8. In your web browser, enter the IP address provided.
9. Proceed to login using root for both the username and password.
10. In the Network section, you can assign a Static IP address (optional).
11. Click Save & Apply.




Configuring the Server

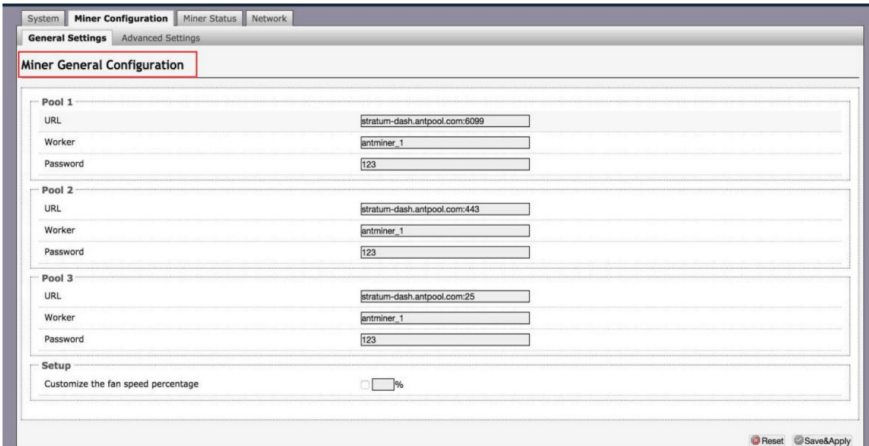
4.1 Setting Up the Pool

To configure the server:

1. Click General Settings.
2. Set the options according to the following table:

Option	Description
Pool URL	<p>Enter the URL of your desired pool.</p> <p> The D3 server can be set up with three mining pools, with decreasing priority from the first pool (pool 1) to the third pool (pool 3). The pools with low priority will only be used if all higher priority pools are of fline.</p>
Worker	Your worker ID on the selected pool.
Password	The password for your selected worker.


3. Click Save & Apply.

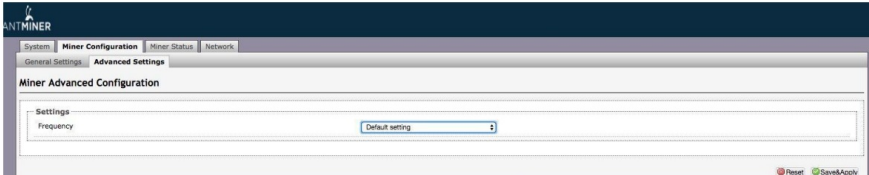


The screenshot shows the 'Miner General Configuration' window. It contains three sections for Pool 1, Pool 2, and Pool 3. Each section has fields for URL, Worker, and Password. Below these is a 'Setup' section with a checkbox for 'Customize the fan speed percentage'. At the bottom right, there are 'Reset' and 'Save&Apply' buttons.

4.2 Modifying the Frequency

You are able to modify the frequency value through ' Configuration —>Advanced Settings'.

 Bitmain recommend a default frequency of D3 server , and Overlocking the server will void the warranty immediately.



The screenshot shows the 'Miner Advanced Configuration' window. It contains a 'Settings' section with a dropdown menu for 'Frequency' set to 'Default setting'. At the bottom right, there are 'Reset' and 'Save&Apply' buttons.

Monitoring Your Server

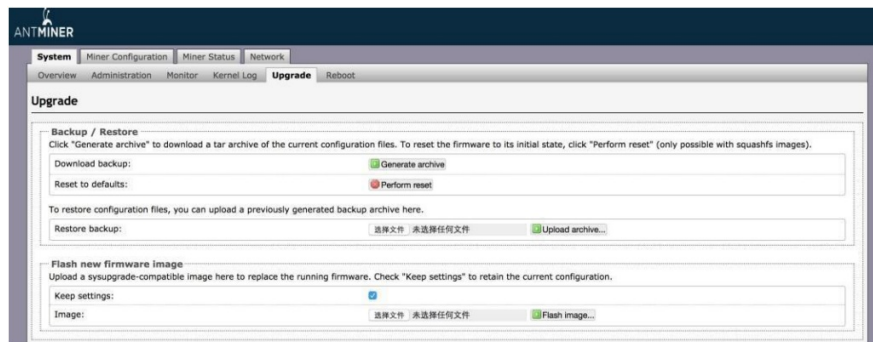
To check the operating status of your server:

1. Click the status marked below.
2. Monitor your server according to the descriptions in the following table:

is completed, you will need to return it to Bitmain for repair.

To upgrade the server's firmware:

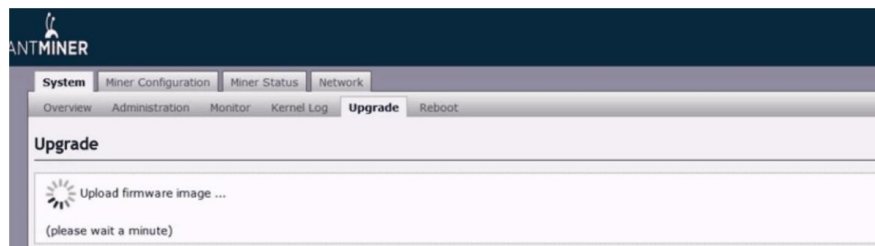
1. In System, click Upgrade.



2. For Keep Settings:

- Select the check box to keep your current settings (default).
- Clear the check box to reset the server to default settings.

3. Click the **(Browse)** button and navigate to the upgrade file. Select the upgrade file, then click Flash image. A message appears notifying you if the D3 server firmware can be upgraded and if yes, will then proceed to flash the image. (Note: Please do not extract the update file and keep the power on during updating firmware or otherwise the server needs to be returned to the factory to repair. And around two minutes will be needed to complete updating.)



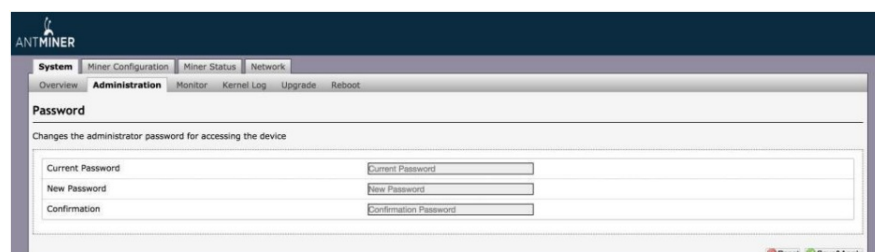
4. When the upgrade is completed successfully, the following message will appear: (Screenshot below of S9 server just for your reference to show the message, the message shows on your computer shall prevail).



6.3 Modifying Your Password

To change your login password:

1. In System, click the Administration tab.
2. Set your new password, then click Save & Apply.



6.4 Restoring Initial Settings

To restore your initial settings, two methods below for your reference.

1. Turn on the server and let it run for 5 minutes.
2. On the controller front panel, press and hold the Reset button for 10 seconds.



Resetting your server will reboot it and restore its default settings. The red LED will automatically flash once every 15 seconds if the reset is operated successfully.

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 handing 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 you purchased the product.

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Documents / Resources

	BITMAIN S9 AntMiner D3 Server [pdf] Installation Guide S9, AntMiner D3 Server, S9, AntMiner D3 Server, D3 Server, Server
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References

-  [BITMAIN](#)

-  [BITMAIN](#)
- [User Manual](#)

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