



T15 Server Installation Guide

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1. Overview

The T15 server is Bitmain's newest version in the T15 server series. Power supply APW8 is part of T15 server. All T15 servers are tested and configured prior to shipping to ensure easy set up.









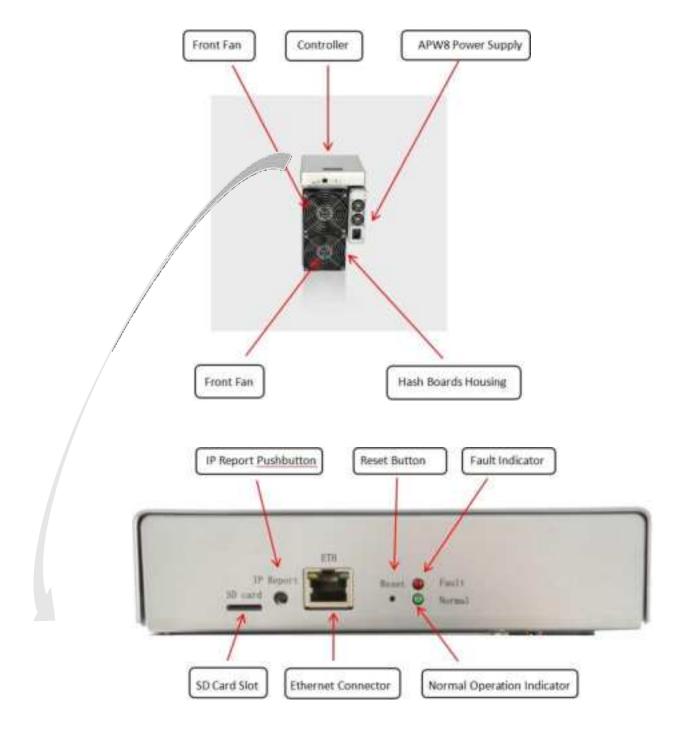
Caution:

- 1. The socket-outlet shall be installed near the equipment and shall be easily accessible.
- 2. Please refer to the layout above to place your goods in usage in case of any damage.



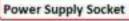
1.1 T15 Server Components

The main components and controller front panel of T15 server are shown in the following figure:





APW8 Power Supply:







Note:

- 1.Power supply APW8 is part of T15 server. For detailed parameters, please refer to the specifications below.
- 2. Additional power cord is needed.

1.2 Specifications

Model No.: 240-A Version: T15

Product Glance	Value			
Crypto Algorithm	SHA256			
	Normal	Low Power		
Hashrate, TH/s	23.00	17.50~21.00		
Reference power on wall, Watt	1541	1050~1260		
Reference power efficiency on wall @25°C, J/TH	67.00	60.00		

Detailed Characteristics		Value		
			Тур	Max
Hashrate & Power				
	Normal		23.00	23.45
Hashrate, TH/s	Low Power		17.50~21	+3% (1-1)
Power efficiency on wall	Normal	67.00		71.69
@25°C, J/TH	Low Power	60.00		64.20
Power efficiency on wall	Normal	70.52		75.46
@40°C, J/TH	Low Power	62.92		67.32
(1.2)	Normal	1541		1770
Power on wall, Watt (1-2)	Low Power	1050		1456
Power supply AC input voltage, Volt (1-5	3)	200	220	240
Power supply AC input	Normal		7.00	8.85
current, Amp ⁽¹⁻⁴⁾	Low Power		4.77	7.28
Power supply Input AC Frequency Range, Hz		47	50	63
Hardware Configuration				
Quantity of hash chips	180			
Quantity of hash boards	3			
Networking connection mode	RJ45 Ethernet 10/10		10/100M	



Server Size (Length*Width*Height, w/o package),mm ⁽²⁻¹⁾	205*175*279			
Net weight, kg ⁽²⁻²⁾	6.6			
Noise, dBA @25°C (2-3)				76
Environment Requirements				
Operation temperature,°C	0	0	25	40
Storage temperature,°C	-40	-40	25	85
Operation humidity, RH	5%	5%		95%

Notes:

- (1-1) In Low Power Mode, Max Hashrate should be **Typ hashrate *103%**
- (1-2) Min condition: 25°C, min J/TH, typical hashrate Max condition: 40°C, max J/TH, max hashrate
- (1-3) Caution: Wrong input voltage may probably cause server damaged
- (1-4) Typ condition: min reference power, typical AC input voltage

 Max condition: max reference power, min AC input voltage
- (2-1) Including PSU size
- (2-2) Including PSU weight
- (2-3) Max condition: Fan is under max RPM(rotation per minute)



2. Setting Up the Server

2. Setting Up the Server

To set up the server:



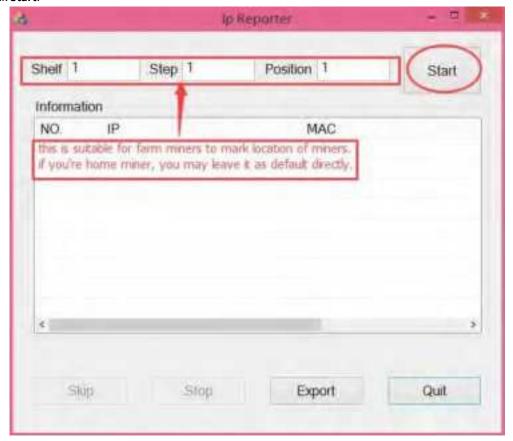
The file IPReporter.zip is supported by Microsoft Windows only.

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



The default DHCP network protocol distributes IP addresses automatically.

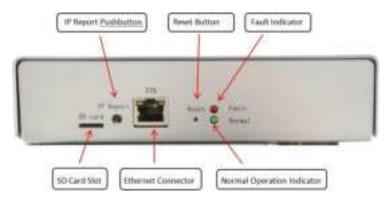
- 4. Right-click IPReporter.exe and run it as Administrator.
- 5. Select one of the following options:
 - Shelf, Step, Position suitable for farm servers to mark the location of the servers.
 - Default suitable for home servers.
- 6. Click Start.





2. Setting Up the Server

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 DHCP IP address (optional).
- 11. Click Save & Apply.



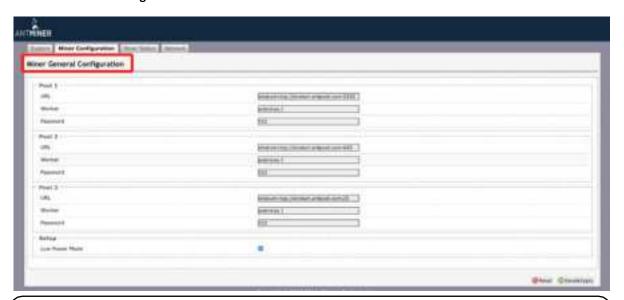


3. Configuring the Server

3. Configuring the Server Setting Up the Pool

To configure the server:

1. click General Settings.





Note: There are two modes of Hashrate which u may adjust for T15 server: Low Power Mode and Normal Mode. Power consumption varies with different mode. Please refer to the specifications above for more details.

2. Set the options according to the following table:

Option	Description				
Pool URL	The T15 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 offline.				
Worker	Your worker ID on the selected pool.				
Password	The password for your selected worker.				

3. Click Save & Apply to save and restart the server.

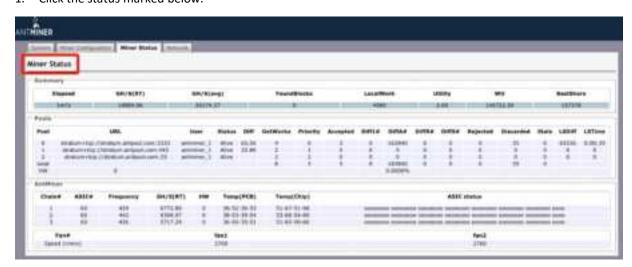


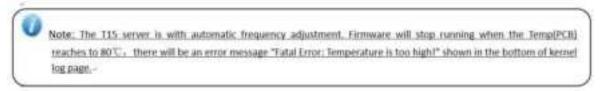
4. Monitoring Your Server

4. 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:

Option	Description			
ASIC#	Number of chips detected in the chain.			
Frequency	ASIC frequency setting.			
GH/S(RT)	ash rate of each hash board (GH/s)			
Temp(PCB)	Temperature of each hash board (°C).(Applied only to server with fixed frequency)			
Temp(Chip)	Temperature of the chips on each hash board (°C).			
ASIC status	One of the following statuses will appear:			
	• O - indicates OK			
	X - indicates error			
	indicates dead			



5. Administering Your Server

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5.1 Checking Your Firmware Version

To check your firmware version:

- 1. In **System**, click the **Overview** tab.
- 2. **File System Version** displays the date of the firmware your server use. In the example below, the server is using firmware version 20181130.



5.2 Upgrading Your System



Make sure that the T15 server remains powered during the upgrade process. If power fails before the upgrade is completed, you will need to return it to Bitmain for repair.

To upgrade the server's firmware:

In System, click Upgrade.

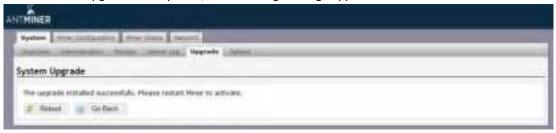




5. Administering Your Server

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 T15 firmware can be upgraded and if yes, will then proceed to flash the image.
- 4. When the upgrade is completed, the following message appears:



- 5. Click one of the following options:
 - **Reboot** to restart the server with the new firmware.
 - **Go Back** to continue mining with the current firmware. The server will load the new firmware next time it is restarted.

5.3 Modifying Your Password

To change your login password:

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



5.4 Restoring Initial Settings

To restore your initial settings

- 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.



Regulations:

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: T15 服務器,型號: 240-A

			右宝州	加度		
	有害物质					
單元	鉛 (Pb)	汞 (Hg)	鎘 (Cd)	六價鉻 (Cr+6)	多溴聯苯 (PBB)	多溴二苯醚 (PBDE)
外殼	0	0	0	0	0	0
電路板組件	_	0	0	0	0	0
其他線材	_	0	0	0	0	0

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. "o" 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. "一" 係指該項限用物質為排除項目