

**BITMAIN**  
**T21 Bitcoin**  
**Miner**



# BITMAIN T21 Bitcoin Miner Instruction Manual

[Home](#) » [BITMAIN](#) » BITMAIN T21 Bitcoin Miner Instruction Manual 

## Contents

- [1 BITMAIN T21 Bitcoin Miner](#)
- [2 Specifications](#)
- [3 Product Usage Instructions](#)
- [4 Maintenance](#)
- [5 Troubleshooting](#)
- [6 Specification](#)
- [7 Performance Curve](#)
- [8 FAQ](#)
- [9 Documents / Resources](#)
  - [9.1 References](#)
- [10 Related Posts](#)

**BITMAIN T21 Bitcoin Miner**

**BITMAIN**



**Specifications**

Product Glance	Value
Model	T21
Version	10
Crypto algorithm/coins	SHA256   BTC/BCH/BSV
Working mode	NEM
Typical hashrate, TH/s	190 – 233
Power on wall @30, Watt	3610 – 5126
Power efficiency on wall @30, J/TH	19.0 – 22.0

**Product Usage Instructions**

**Setup and Installation:**

- Place the T21 miner on a flat, stable surface.
- Connect the power supply to the miner following the specified voltage and current requirements.
- Connect the miner to the network using an RJ45 Ethernet cable.
- Ensure proper ventilation around the miner to prevent overheating.

**Maintenance**

- Regularly clean the miner and ensure no dust buildup on the fans or vents.
- Monitor the miner's performance and temperature regularly to ensure optimal operation.

## Troubleshooting

If the miner is not functioning correctly, refer to the troubleshooting section of the user manual for guidance on common issues and solutions.

## Specification

Product Glance	Value	
Model	<b>T21</b>	
Version	<b>10</b>	
Crypto algorithm/coins	<b>SHA256   BTC/BCH/BSV</b>	
Working mode(1-1)	<b>NEM</b>	<b>HEM</b>
Typical hashrate, <b>TH/s</b> (1-2)	<b>190</b>	<b>233</b>
Power on wall @30°C(1-3), <b>Watt</b> (1-2)	<b>3610</b>	<b>5126</b>
Power efficiency on wall @30°C, <b>J/TH</b> (1-2)	<b>19.0</b>	<b>22.0</b>

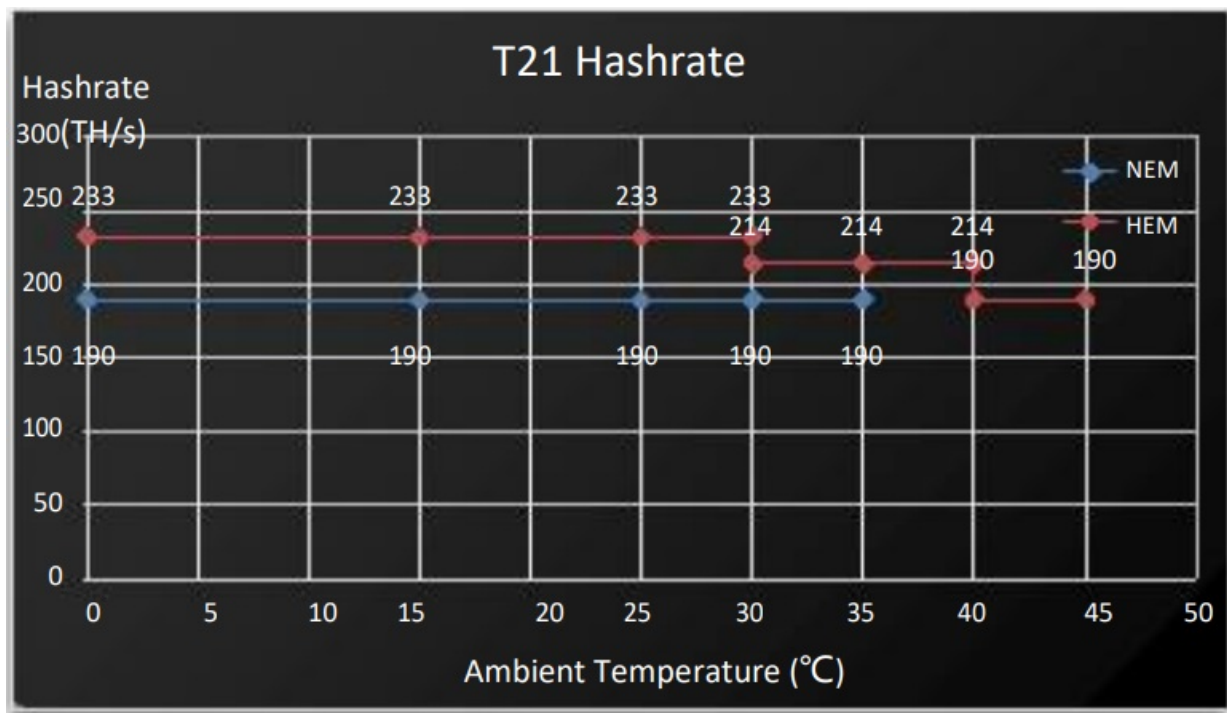
Detailed Characteristics		Value
<b>Power supply</b>		
Phase		<b>3</b>
Input voltage(2-1), <b>Volt</b>		<b>380~415</b>
Input frequency range, <b>Hz</b>		<b>50~60</b>
Maximum input current, <b>Amp</b>		<b>12</b>
<b>Hardware configuration</b>		
Network connection mode	<b>RJ45 Ethernet 10/100M</b>	
Server size (Length*Width*Height, w/o package), <b>mm</b>	<b>400*212*290</b>	
Server size (Length*Width*Height, with package), <b>mm</b>	<b>570*316*430</b>	
Net weight, <b>kg</b>	<b>17.0</b>	
Gross weight, <b>kg</b>	<b>19.1</b>	
Noise(2-2) @30°C, <b>dBA</b>	<b>76</b>	
<b>Environment requirements</b>		
Operation temperature, °C	<b>0~45</b>	
Storage temperature, °C	<b>-20~70</b>	
Operation humidity(no condensation), <b>RH</b>	<b>10%~90%</b>	
Operation altitude(2-3), <b>m</b>	<b>≤2000</b>	

#### Notes:

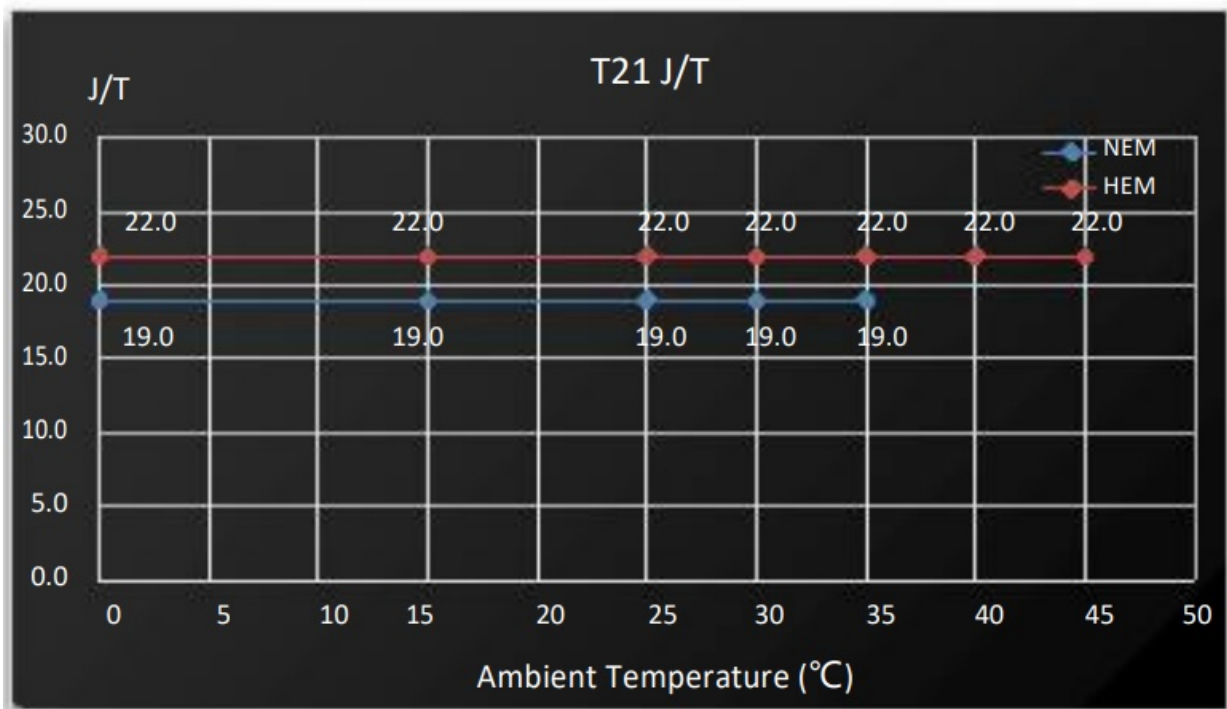
- **NEM:** Normal Energy Mode; **HEM:** High Energy Mode.
- The Hashrate value, Power on wall, and Power efficiency on wall are all typical values, The actual Hashrate value fluctuates by ±3%, and the actual Power on wall and Power efficiency on wall fluctuate by ±5%.
- Inlet air temperature.
- **Caution:** Wrong input voltage may probably cause server damaged.
- The noise is loudest when the fan is under maximum RPM(rotation per minute).
- When the server is used at an altitude from 900m to 2000m, the highest operating temperature decreases by 1°C for every increase of 300m.

#### Performance Curve

##### 1. Hashrate vs. Ambient Temperature



## 2. J/T vs. Ambient Temperature



## FAQ

- **Q: How can I reset the miner to factory settings?**

- A: To reset the miner to factory settings, locate the reset button on the device and hold it down for at least 10 seconds until the lights indicate a reset.

- **Q: What should I do if the miner is overheating?**

- A: If the miner is overheating, first ensure proper ventilation. If the issue persists, check for dust buildup and clean the miner's fans and vents. If the problem continues, contact customer support for further assistance.


- **Q: How often should I replace the miner's filters?**

- A: Filters should be checked regularly for dust accumulation and replaced as needed to maintain proper

airflow and prevent overheating.

Value
<b>Power supply</b>
Phase: 3
Input voltage: 380~415 Volt
Input frequency range: 50~60 Hz
Maximum input current: 12 Amp
<b>Hardware configuration</b>
Network connection mode: RJ45 Ethernet 10/100M
Server size (Length*Width*Height, w/o package): 400*212*290 mm
Server size (Length*Width*Height, with package): 570*316*430 mm
Net weight: 17.0 kg
Gross weight: 19.1 kg
Noise @30: 76 dBA
<b>Environment requirements</b>
Operation temperature: 0~45°C
Storage temperature: -20~70°C
Operation humidity (no condensation): 10%~90% RH
Operation altitude: Up to 2000m

## Documents / Resources

	<a href="#">BITMAIN T21 Bitcoin Miner</a> [pdf] Instruction Manual T21 Bitcoin Miner, T21, Bitcoin Miner, Miner
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## References

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

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