



# S21

## Product Manual

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**BITMAIN**

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[www.bitmain.com](http://www.bitmain.com)

# 1.Specification

<b>Product Glance</b>	<b>Value</b>
Model	<b>S21</b>
Version	<b>L1-10</b>
Crypto algorithm/coins	<b>SHA256   BTC/BCH</b>
Typical Hashrate, <b>TH/s</b> <sup>(1-1)</sup>	<b>200</b>
Power on wall @25°C <sup>(1-2)</sup> , <b>Watt</b> <sup>(1-1)</sup>	<b>3500</b>
Power efficiency on wall@25°C <sup>(1-2)</sup> , <b>J/TH</b> <sup>(1-1)</sup>	<b>17.5</b>

<b>Detailed Characteristics</b>	<b>Value</b>
<b>Power supply</b>	
Power supply AC input voltage, <b>Volt</b> <sup>(2-1)</sup>	<b>220~277V AC</b>
Power supply AC Input Frequency Range, <b>Hz</b>	<b>50~60</b>
Power supply AC Input current, <b>Amp</b> <sup>(2-2)</sup>	<b>20</b>
Adapted AC output power requirement, <b>W</b> <sup>(2-3)</sup>	<b>4000</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*195*290</b>
Server size (Length*Width*Height, with package), <b>mm</b>	<b>570*316*430</b>
Net weight, <b>kg</b>	<b>15.4</b>
Gross weight, <b>kg</b>	<b>17.2</b>
Noise, <b>dba @25°C</b> <sup>(2-4)</sup>	<b>76</b>
<b>Environment Requirements</b>	
Operation temperature, <b>°C</b>	<b>0~45</b>
Storage temperature, <b>°C</b>	<b>-20~70</b>
Operation humidity, <b>RH</b>	<b>10%~90%</b>
Operation altitude, <b>m</b> <sup>(2-5)</sup>	<b>≤2000</b>

## Notes:

(1-1) The Hashrate value, Power on wall, and Power efficiency on wall are all typical values, The actual Hashrate value fluctuates by  $\pm 3\%$ , and the actual Power on wall and Power efficiency on wall fluctuate by  $\pm 5\%$ .

(1-2) Inlet air temperature.

(2-1) Caution: Wrong input voltage may probably cause server damaged.

(2-2) Two AC input wires, 10A per wire.

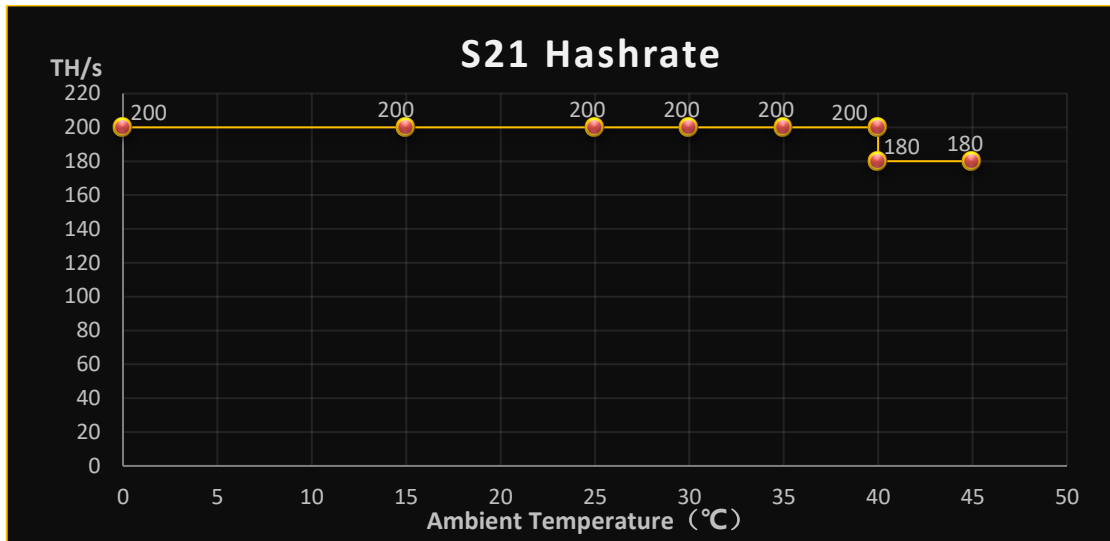
(2-3) Caution: It is strongly recommended that the power on wall of the minier does not exceed this value.

(2-4) Max condition: Fan is under max RPM(rotation per minute).

(2-5) When the server is used at an altitude from 900m to 2000m, the highest operating temperature decreases by  $1^{\circ}\text{C}$  for every increase of 300m.

## 2. Performance Curves

(1) Hashrate vs. Ambient Temperature



(2) J/T vs. Ambient Temperature

