



# **S21 Pro**

## **Product Manual**

**Jul. 2024**

**BITMAIN**

BITMAIN TECHNOLOGIES INC.

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

# 1.Specification

Product Glance	Value	
Model	<b>S21 Pro</b>	
Sub	<b>234T</b>	<b>220T</b>
Version	<b>10</b>	
Crypto algorithm/coins	<b>SHA256   BTC/BCH/BSV</b>	
Typical Hashrate, <b>TH/s</b> <sup>(1-1)</sup>	<b>234</b>	<b>220</b>
Power on wall @25°C <sup>(1-2)</sup> , <b>Watt</b> <sup>(1-1)</sup>	<b>3510</b>	<b>3300</b>
Power efficiency on wall @25°C <sup>(1-2)</sup> , <b>J/TH</b> <sup>(1-1)</sup>	<b>15</b>	

Detailed Characteristics	Value
<b>Power supply</b>	
Phase	<b>1</b>
Input voltage <sup>(2-1)</sup> , <b>Volt</b>	<b>220~277</b>
Input frequency range, <b>Hz</b>	<b>50~60</b>
Maximum input current, <b>Amp</b>	<b>20</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>450*219*293</b>
Server size (Length*Width*Height, with package), <b>mm</b>	<b>630*350*430</b>
Net weight, <b>kg</b>	<b>18.5</b>
Gross weight, <b>kg</b>	<b>21.5</b>
Noise <sup>(2-2)</sup> @30°C, <b>dBA</b>	<b>76</b>
<b>Environment Requirements</b>	
Operation temperature, °C	<b>-20~45</b>
Storage temperature, °C	<b>-20~70</b>
Operation humidity(no condensation), <b>RH</b>	<b>10%~90%</b>
Operation altitude <sup>(2-3)</sup> , <b>m</b>	<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.

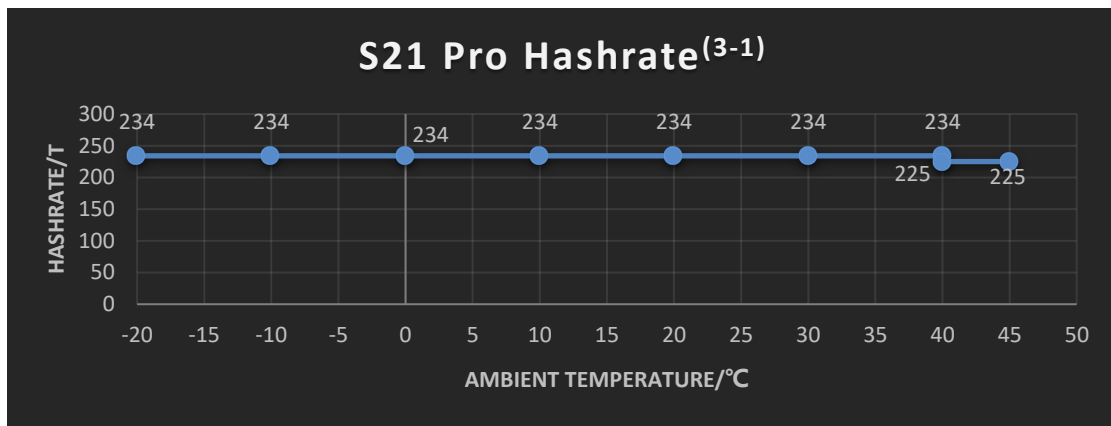
(2-1) Caution: Wrong input voltage may probably cause server damaged.

(2-2) The noise is loudest when the fan is under maximum RPM(rotation per minute).

(2-3) 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.

## 2. Performance Curves

### (1) Hashrate vs. Ambient Temperature



### (2) J/T vs. Ambient Temperature

