ANTMINER

S21 Pro

Product Manual

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BITMAIN

BITMAIN TECHNOLOGIES INC.

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1.Specification

Product Glance	Value	
Model	**S21 Pro**	
Sub	**234T**	**220T**
Version	**10**	
Crypto algorithm/coins	**SHA256 | BTC/BCH/BSV**	
Typical Hashrate, **TH/s**[1-1]	**234**	**220**
Power on wall @25℃[1-2], **Watt**[1-1]	**3510**	**3300**
Power efficiency on wall @25℃[1-2], **J/TH**[1-1]	**15**	

Detailed Characteristics	Value	
Power supply		
Phase	**1**	
Input voltage[2-1], **Volt**	**220~277**	
Input frequency range, **Hz**	**50~60**	
Maximum input current, **Amp**	**20**	
Hardware Configuration		
Network connection mode	**RJ45 Ethernet 10/100M**	
Server size (Length*Width*Height, w/o package), **mm**	**450*219*293**	
Server size (Length*Width*Height, with package), **mm**	**640*360*450**	
Net weight, **kg**	**18.5**	
Gross weight, **kg**	**21.5**	
Noise[2-2] @30℃, **dBA**	**76**	
Environment Requirements		
Operation temperature, ℃	**-20~45**	
Storage temperature, ℃	**-20~70**	
Operation humidity(no condensation), **RH**	**10%~90%**	
Operation altitude[2-3], **m**	**≤2000**	

Notes:

(1-1) 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%.
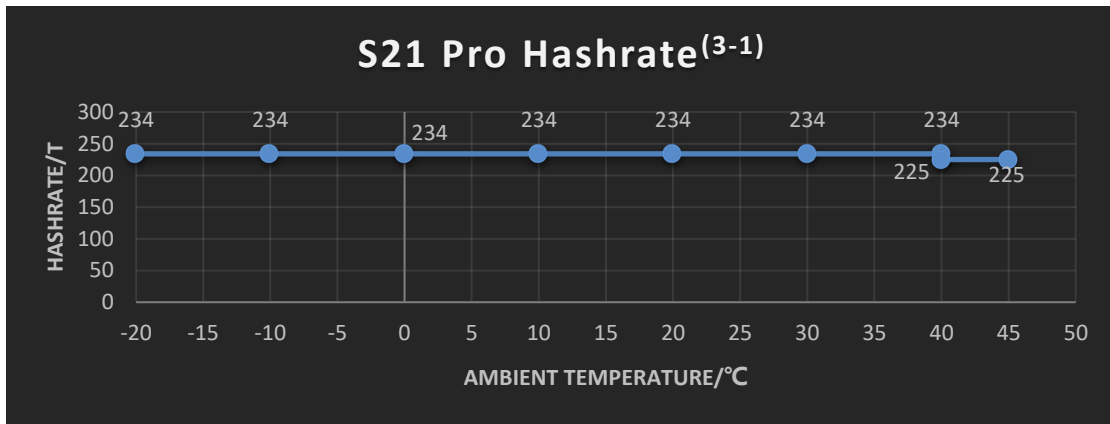
(1-2) Inlet air temperature.

(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℃ for every increase of 300m.

2. Performance Curves

(1) Hashrate vs. Ambient Temperature

S21 Pro Hashrate(3-1)

A line chart titled "S21 Pro Hashrate(3-1)" plotting HASHRATE/T (y-axis, 0 to 300) against AMBIENT TEMPERATURE/°C (x-axis, -20 to 50). Data points: at -20: 234, at -10: 234, at 0: 234, at 10: 234, at 20: 234, at 30: 234, at 40: 234 (dropping to 225), at 45: 225.

(2) J/T vs. Ambient Temperature

S21 Pro J/T(3-1)

A line chart titled "S21 Pro J/T(3-1)" plotting J/T (y-axis, 0 to 20) against AMBIENT TEMPERATURE/°C (x-axis, -20 to 50). Data points: at -20: 15, at -10: 15, at 0: 15, at 10: 15, at 20: 15, at 25: 15, at 30: 15, at 35: 15.7, at 40: 16.1, at 45: 16.7.