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	**245T**	**234T**	**220T**
Version	**10**		
Crypto algorithm/coins	**SHA256 | BTC/BCH/BSV**		
Typical Hashrate, **TH/s**[1-1]	**245**	**234**	**220**
Power on wall @25℃[1-2], **Watt**[1-1]	**3675**	**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**	**630*350*430**
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%.
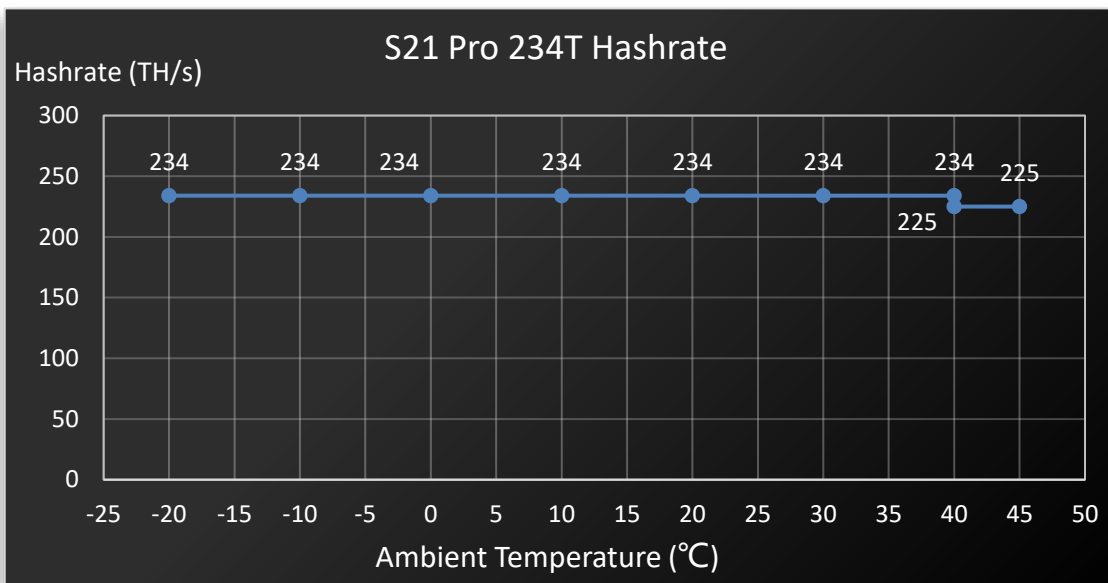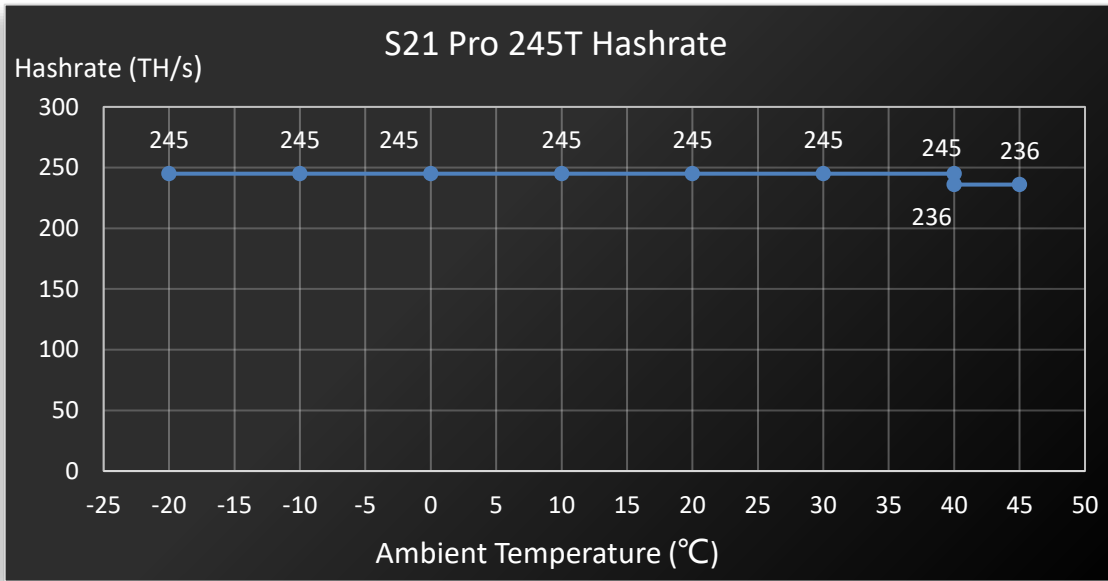
(1-2) Inlet air temperature.

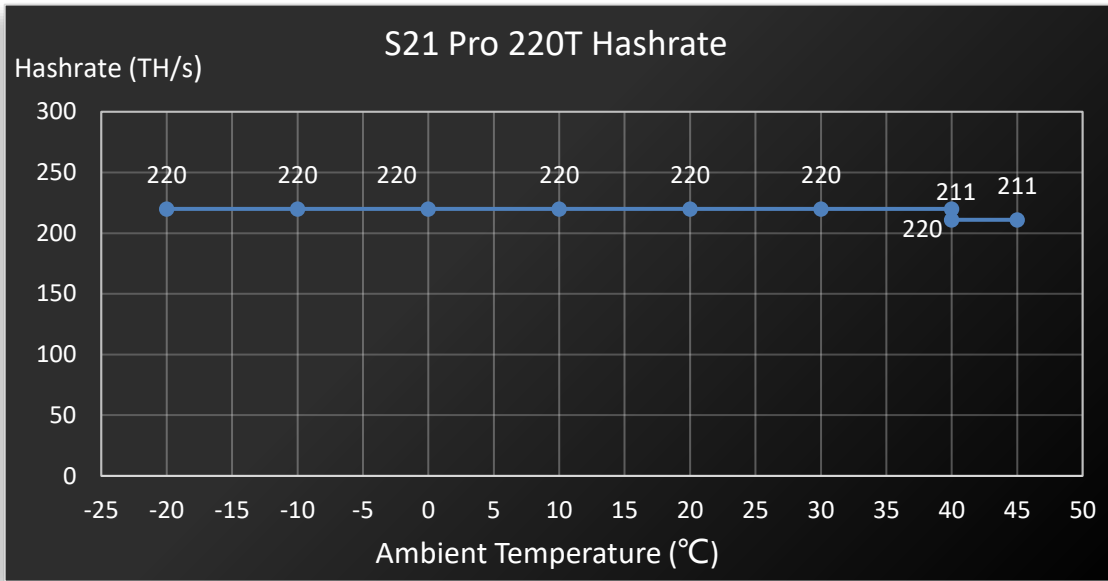(2-1) Caution: Wrong input voltage may probably cause server damaged.

(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 245T Hashrate

S21 Pro 234T Hashrate

S21 Pro 220T Hashrate

Hashrate (TH/s)

(2) J/T vs. Ambient Temperature

S21 Pro Power Efficiency

Power Efficiency (J/T)