



S21 Pro

Product Manual

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BITMAIN

BITMAIN TECHNOLOGIES INC.

www.bitmain.com

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°C ⁽¹⁻²⁾ , Watt ⁽¹⁻¹⁾	3675	3510	3300
Power efficiency on wall @25°C ⁽¹⁻²⁾ , J/TH ⁽¹⁻¹⁾	15		

Detailed Characteristics	Value
Power supply	
Phase	1
Power supply AC input voltage ⁽²⁻¹⁾ , Volt	220~277V AC
Power supply AC Input Frequency Range, Hz	50~60
Power supply AC Input current ⁽²⁻²⁾ , 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
Nosie ⁽²⁻³⁾ @30°C, dBA	76
Max airflow ⁽²⁻⁴⁾ , CFM	550
Environment Requirements	
Operation temperature, °C	-20~45
Storage temperature, °C	-20~70
Operation humidity(no condensation), RH	10%~90%
Operation altitude ⁽²⁻⁵⁾ , m	≤2000

NOTE:

(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) Single-phase AC input 20A.

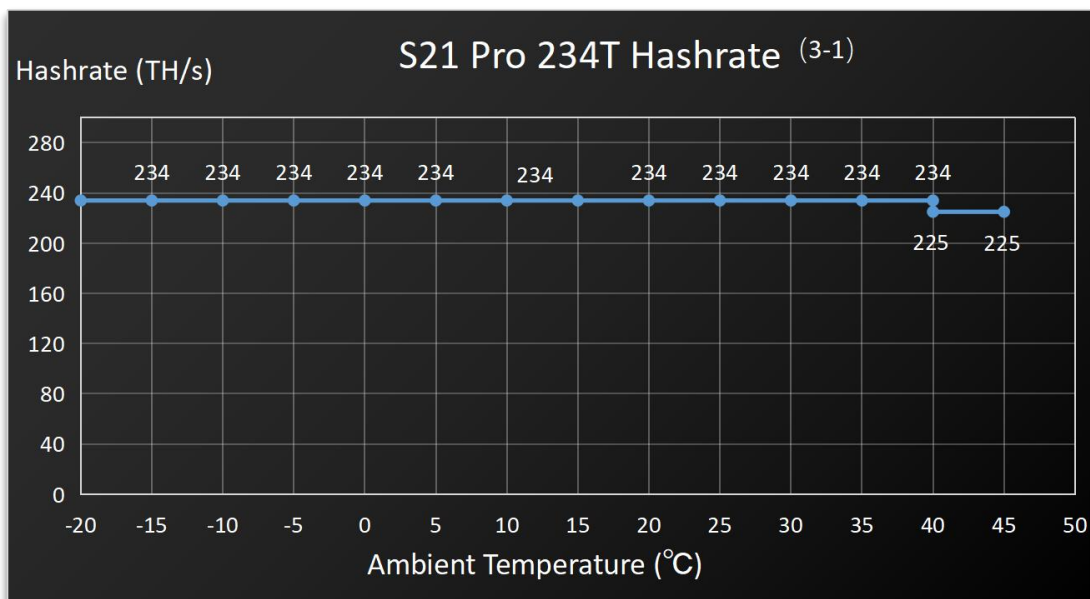
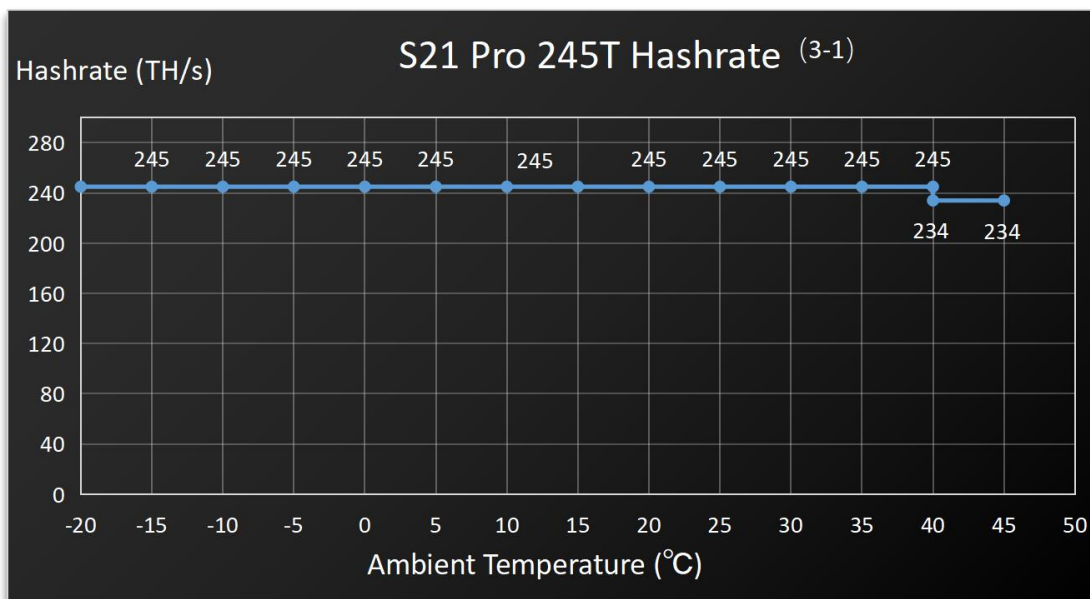
(2-3) Max condition: Fan is under max RPM(rotation per minute).

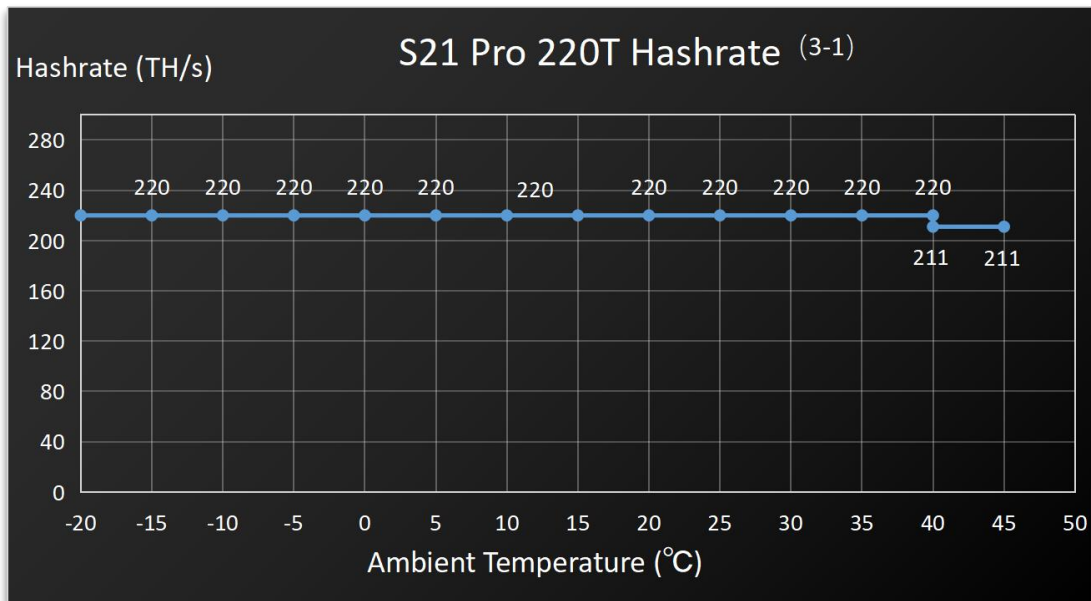
(2-4) When the server is dusty or the environment is poorly ventilated, the server airflow will reduce. This may lead to server overheating and potential damage.

(2-5) 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.

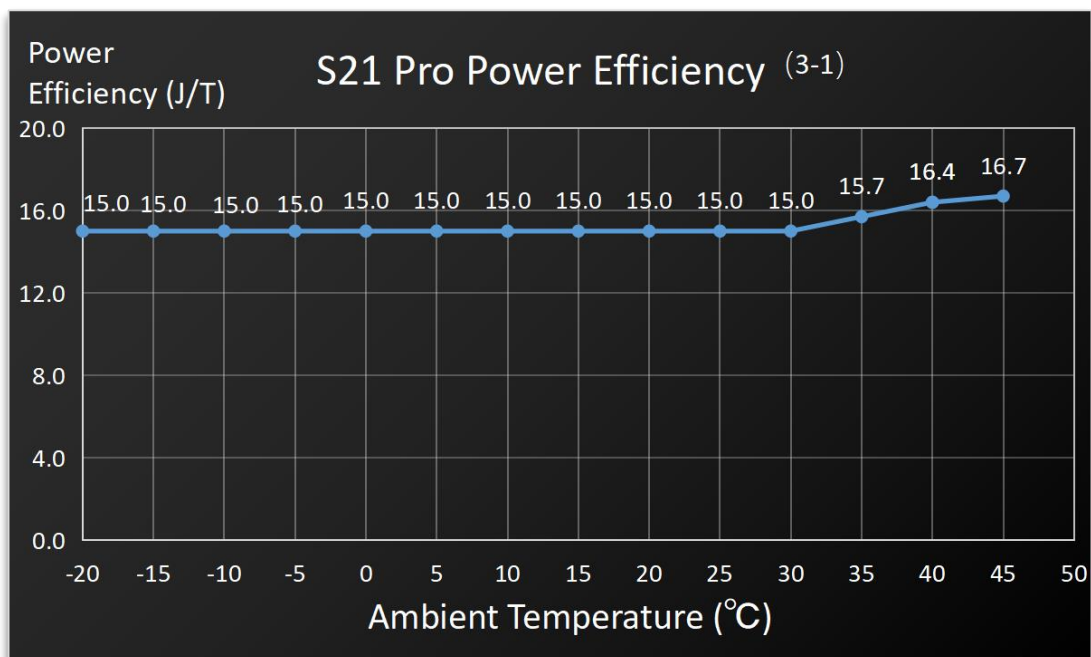
2. Performance Curves

(1) Hashrate vs. Ambient Temperature





(2) J/T vs. Ambient Temperatur



Notes:

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