



S21

Product Manual

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BITMAIN

BITMAIN TECHNOLOGIES INC.

www.bitmain.com

1.Specification

Product Glance		Value				
Model		S21				
Version		L1-10				
Crypto algorithm/coins		SHA256 BTC/BCH/BSV				
Typical Hashrate, TH/s⁽¹⁻¹⁾	200	195	188	175	151	
Power on wall @25°C ⁽¹⁻²⁾ , Watt⁽¹⁻¹⁾	3500	3412	3290	3062	2642	
Power efficiency on wall @25°C ⁽¹⁻²⁾ , J/T⁽¹⁻¹⁾	17.5					

Detailed Characteristics		Value
Power supply		
Power supply AC input voltage, Volt⁽²⁻¹⁾		220~277V
Power supply AC Input Frequency Range, Hz		50~60
Power supply AC Input current, Amp		20
Adapted AC output power requirement, W		4000
Hardware Configuration		
Network connection mode		RJ45 Ethernet 10/100M
Server size (Length*Width*Height, w/o package), mm		400*195*290
Server size (Length*Width*Height, with package), mm		570*316*430
Net weight, kg		15.4
Gross weight, kg		17.2
Noise ⁽²⁻²⁾ @30°C, dBA		76
Max airflow ⁽²⁻³⁾ , CFM		380
Environment Requirements		
Operation temperature, °C		0~45
Storage temperature, °C		-20~70
Operation humidity, RH		10%~90%(non-condensing)
Operation altitude ⁽²⁻⁴⁾ , 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 $\pm 3\%$, 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.

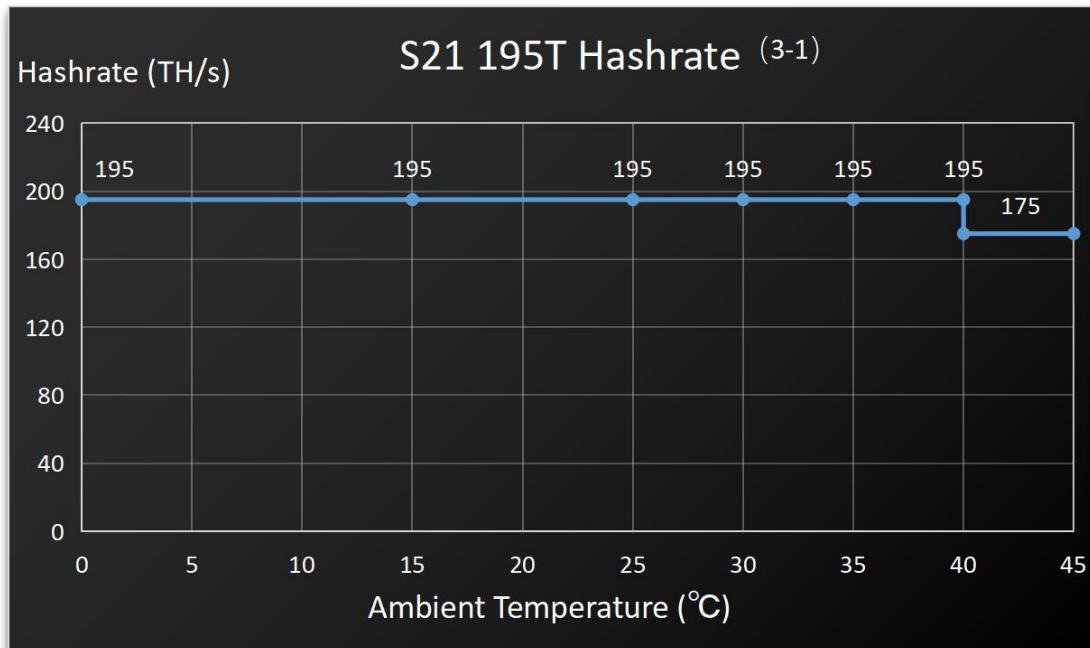
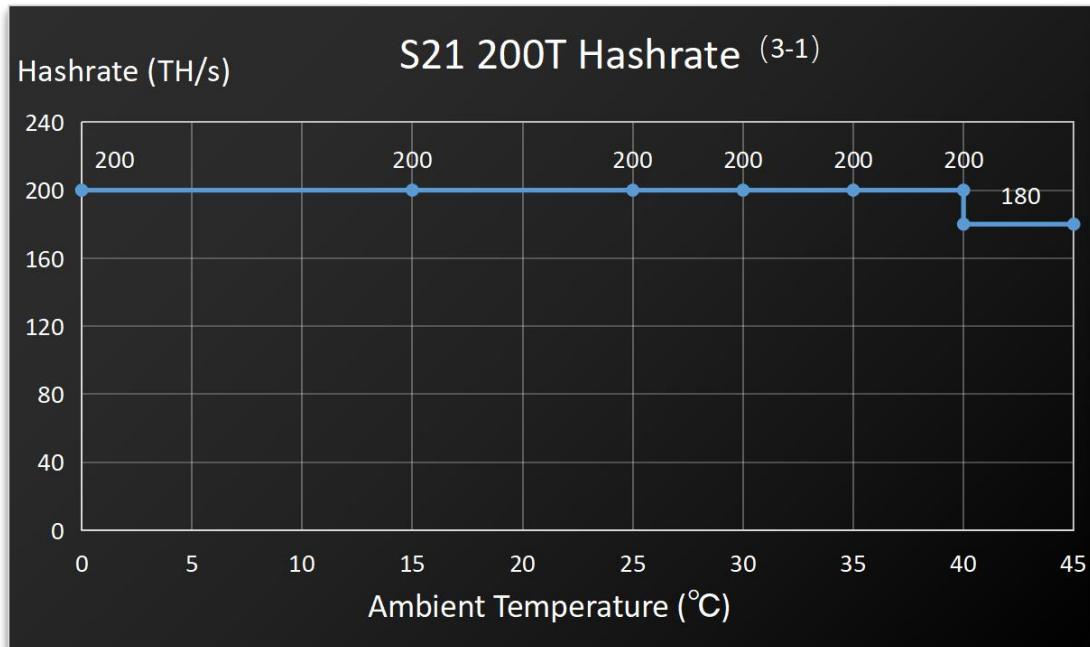
(2-2) Max condition: Fan is under max RPM (rotation per minute).

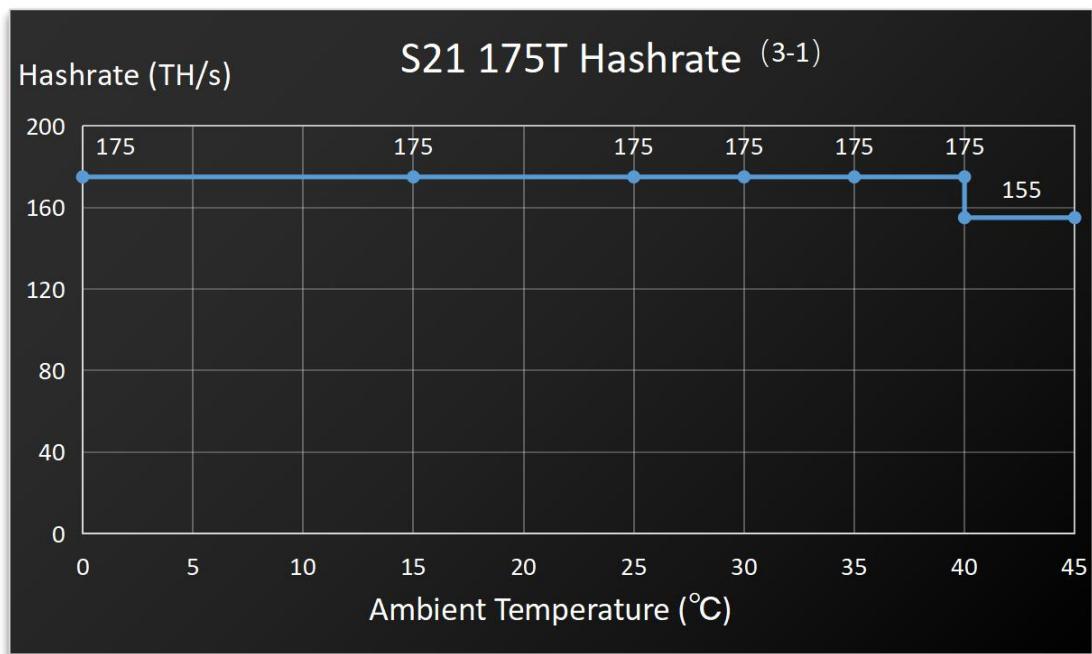
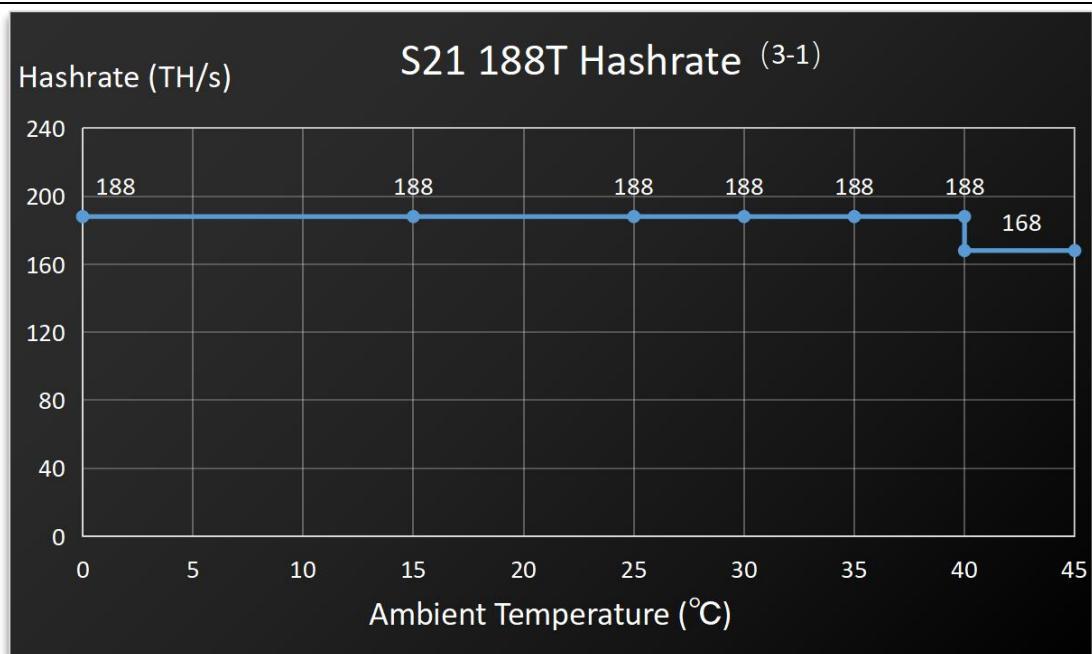
(2-3) When the server is dusty or the environment is poorly ventilated, the server airflow will reduce.

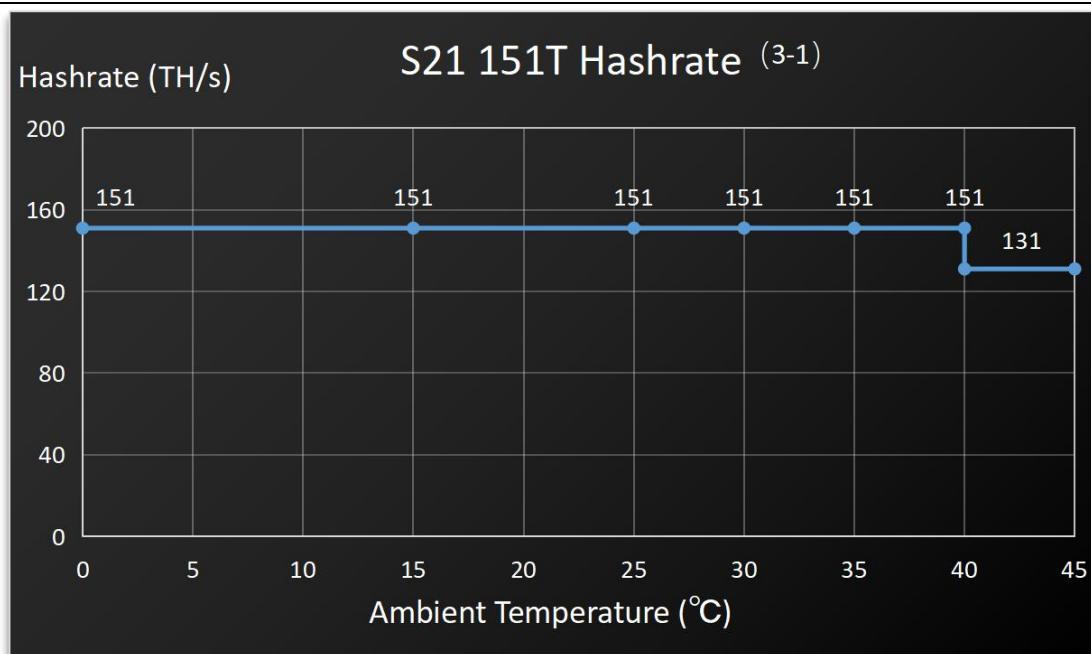
(2-4) When the server is used at an altitude from 900m to 2000m, the highest operating temperature decreases by 1°C for every increase of 300m.

2. Performance Curves

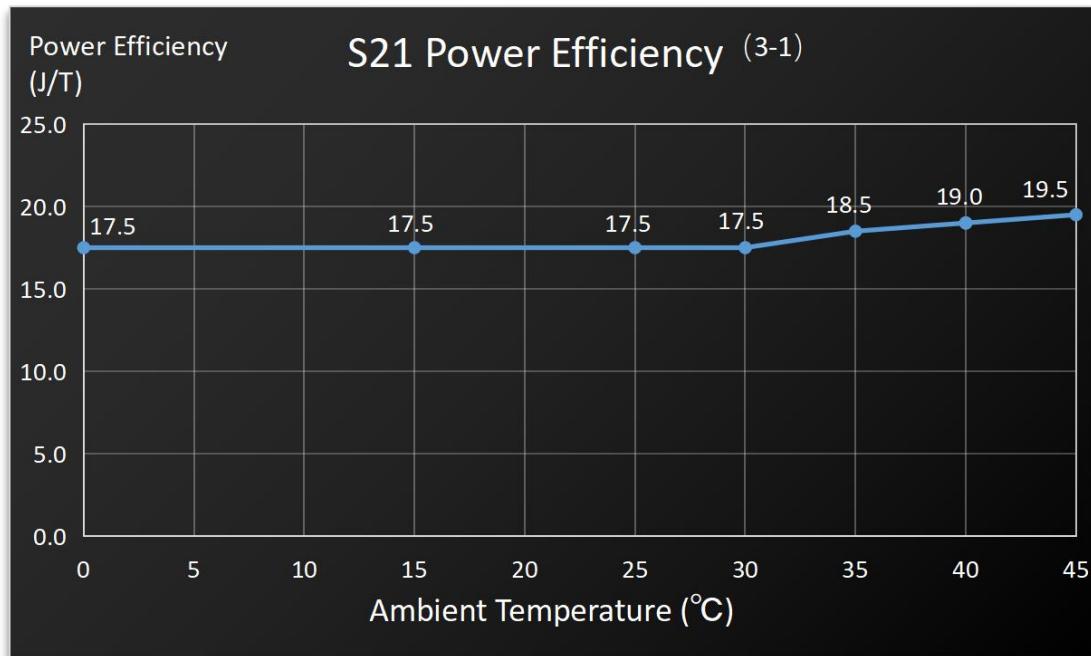
(1) Hashrate vs. Ambient Temperature







(2) J/T vs. Ambient Temperature



(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 $\pm 5\%$.