ANTMINER

S21

Product Manual

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BITMAIN

BITMAIN TECHNOLOGIES INC.

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℃[1-2], **Watt**[1-1]	**3500**	**3412**	**3290**	**3062**	**2642**
Power efficiency on wall @25℃[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℃, **dBA**	**76**
Max airflow[2-3], **CFM**	**380**
Environment Requirements	
Operation temperature, **℃**	**0~45**
Storage temperature, **℃**	**-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 ±3%, and the actual Power on wall and Power efficiency on wall fluctuate by ±5%.

(1-2) Inlet air temperature.

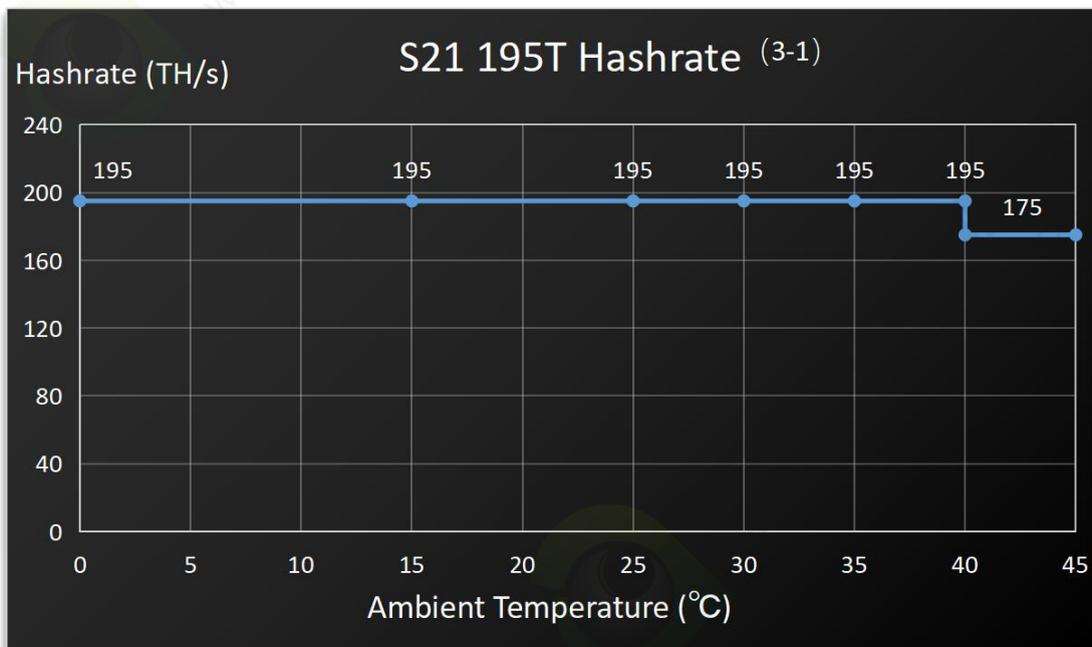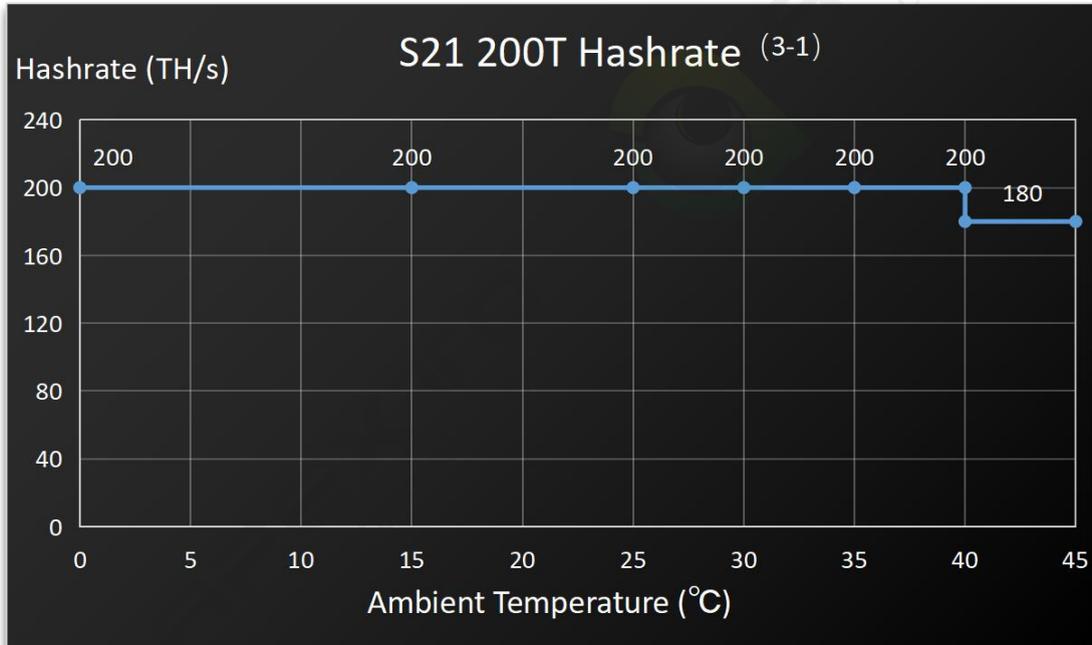(2-1) Caution: Wrong input voltage may probably cause server damaged.

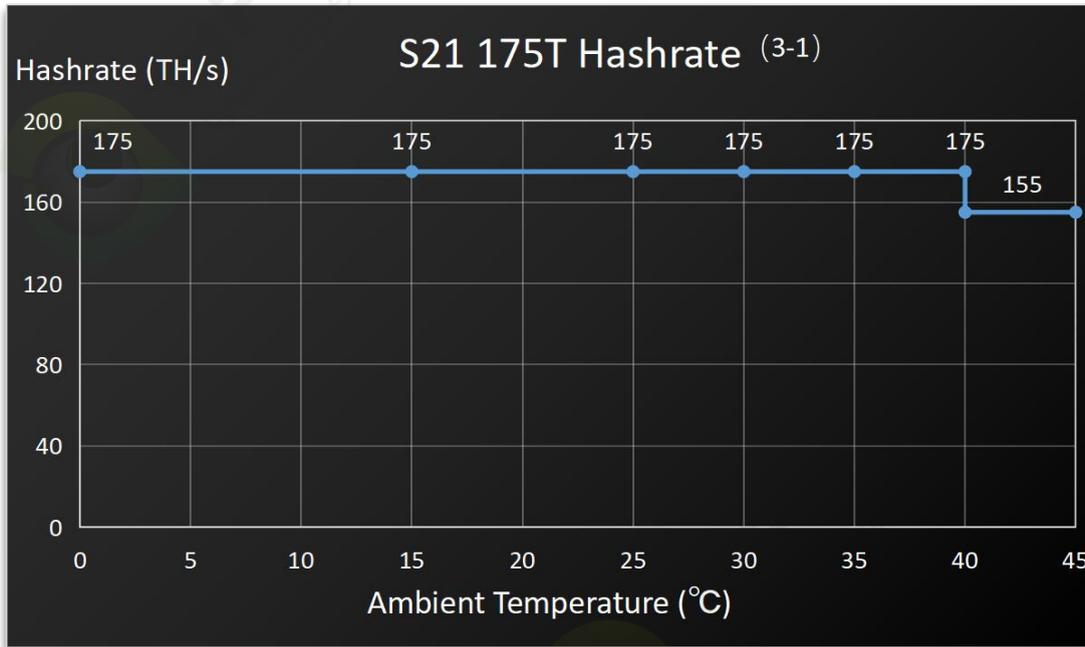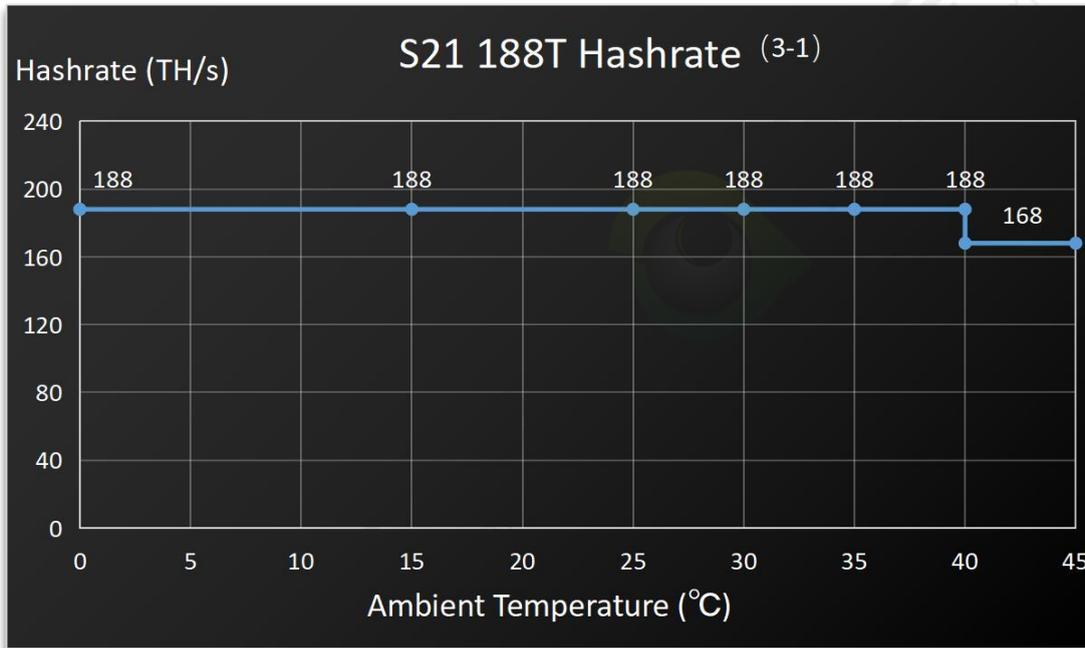(2-2) Max condition: Fan is under max RPM (rotation per minute).

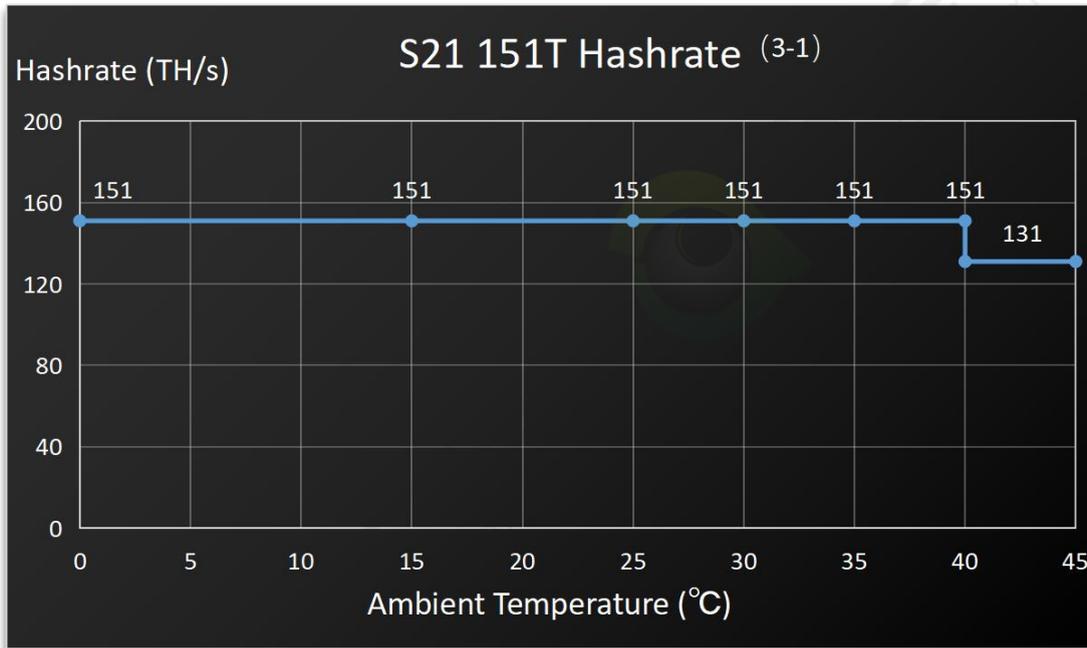(2-3) When the server is dusty or the environment is poorly ventilated, the server airflow will reduce.

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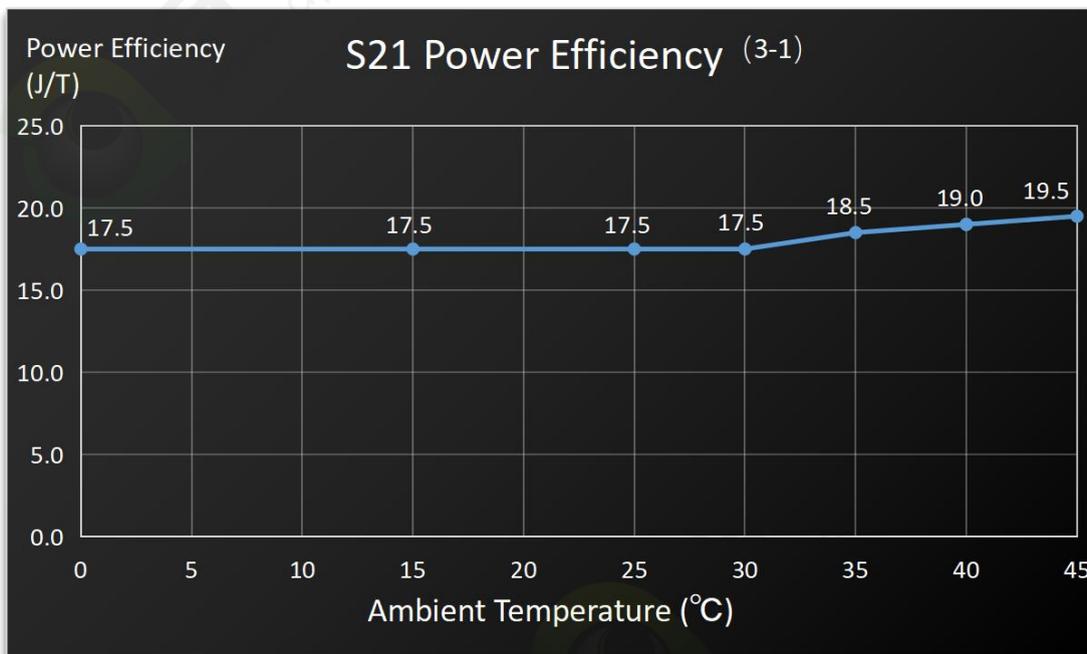
2. Performance Curves

(1) Hashrate vs. Ambient Temperature

S21 200T Hashrate (3-1)

S21 195T Hashrate (3-1)

S21 188T Hashrate (3-1)

Hashrate (TH/s)

188 · 188 · 188 · 188 · 188 · 188 · 168

Ambient Temperature (°C)

S21 175T Hashrate (3-1)

Hashrate (TH/s)

175 · 175 · 175 · 175 · 175 · 175 · 155

Ambient Temperature (°C)

S21 151T Hashrate (3-1)

(2) J/T vs. Ambient Temperature

S21 Power Efficiency (3-1)

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