ANTMINER

S19 XP

Product Manual

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BITMAIN

BITMAIN TECHNOLOGIES INC.
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1. Specification

Product Glance	Value			
Model	**S19 XP**			
Version	**K1-10**			
Crypto algorithm/coins	**SHA256 | BTC/BCH**			
Typical hashrate, **TH/s**(1-1)	**141**	**134**	**127**	**119**
Power on wall @25℃(1-2), **Watt**(1-1)	**3031.5**	**2881**	**2730.5**	**2558.5**
Power efficiency on wall@25℃(1-2), **J/TH**(1-1)	**21.5**			

Detailed Characteristics	Value
Power supply	
Phase	**1**
Power supply AC input voltage, **Volt**(2-1)	**200~240V AC**
Power supply AC Input Frequency Range, **Hz**	**50~60**
Power supply AC Input current, **Amp**	**20**
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**	**14.4**
Gross weight, k**g**	**16**
Noise(2-2) @30℃, **dBA**	**76**
Max airflow(2-3)， **CFM**	**300**
Environment Requirements	
Operation temperature, **℃**	**0~40**
Storage temperature, **℃**	**-20~70**
Operation humidity, **RH**	**10%~90%(non-condensing)**
Operation altitude， **m**(2-4)	**≤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).

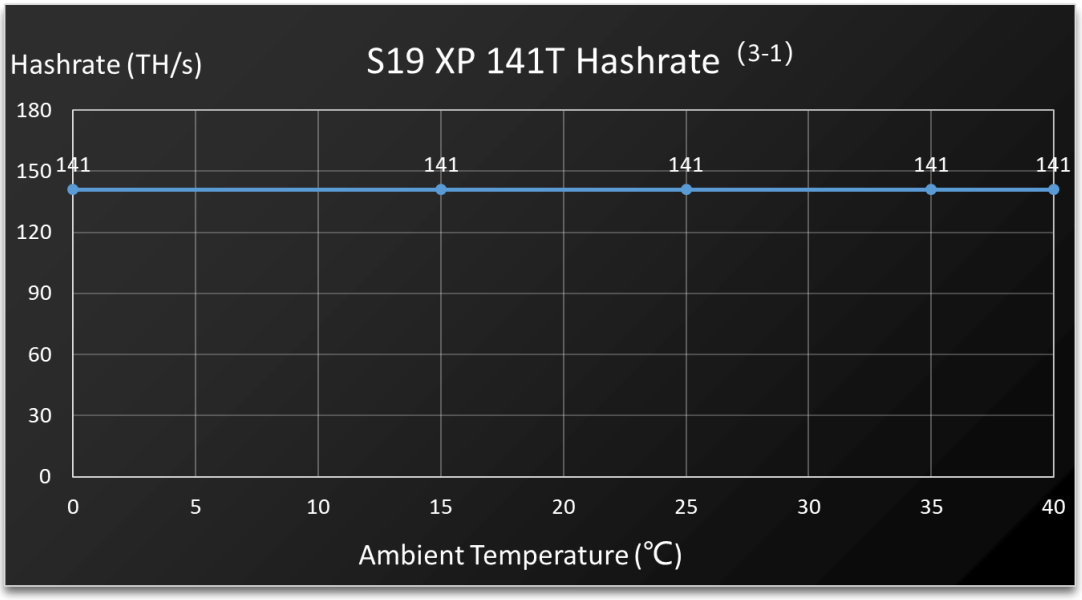
(2-3) When the server is dusty or the environment is poorly ventilated, the server airflow will

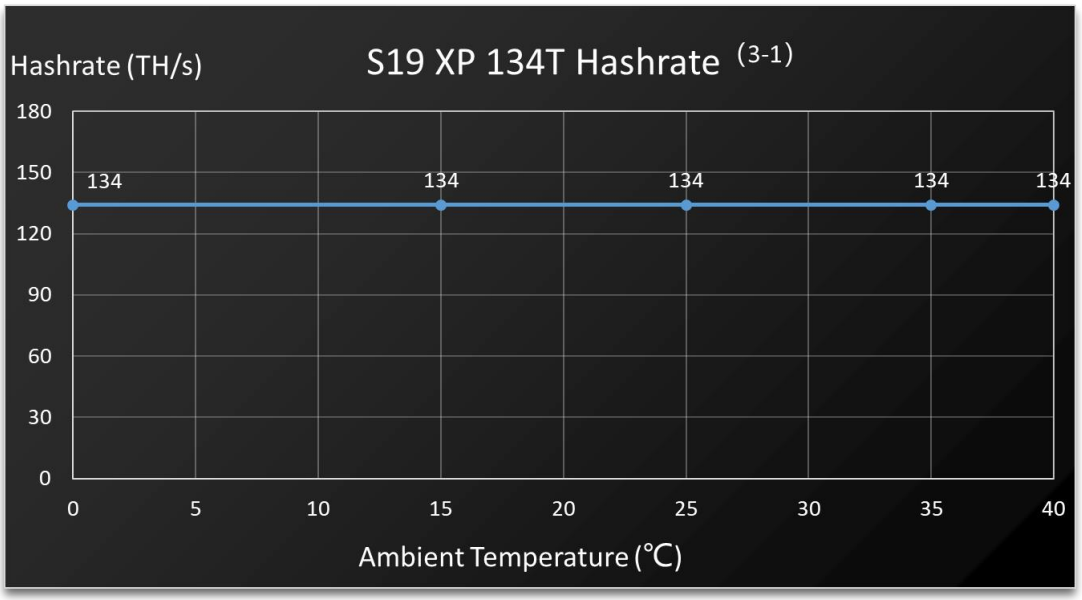
reduce.

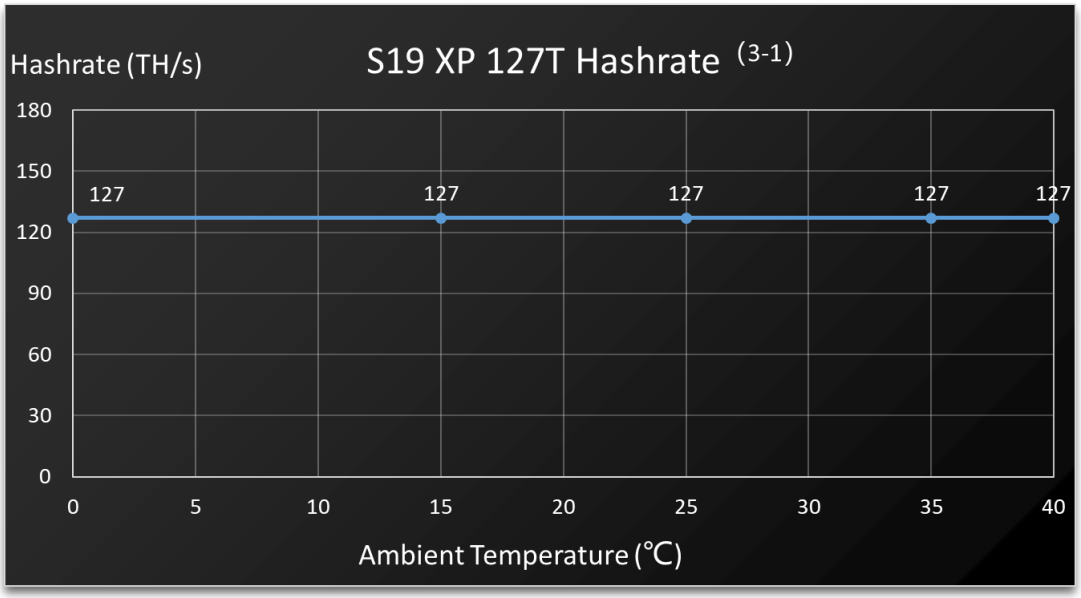
(2-4) When the server is used at an altitude from 900m to 2000m, the highest operating temperature decreases by 1℃ for every increase of 300m.

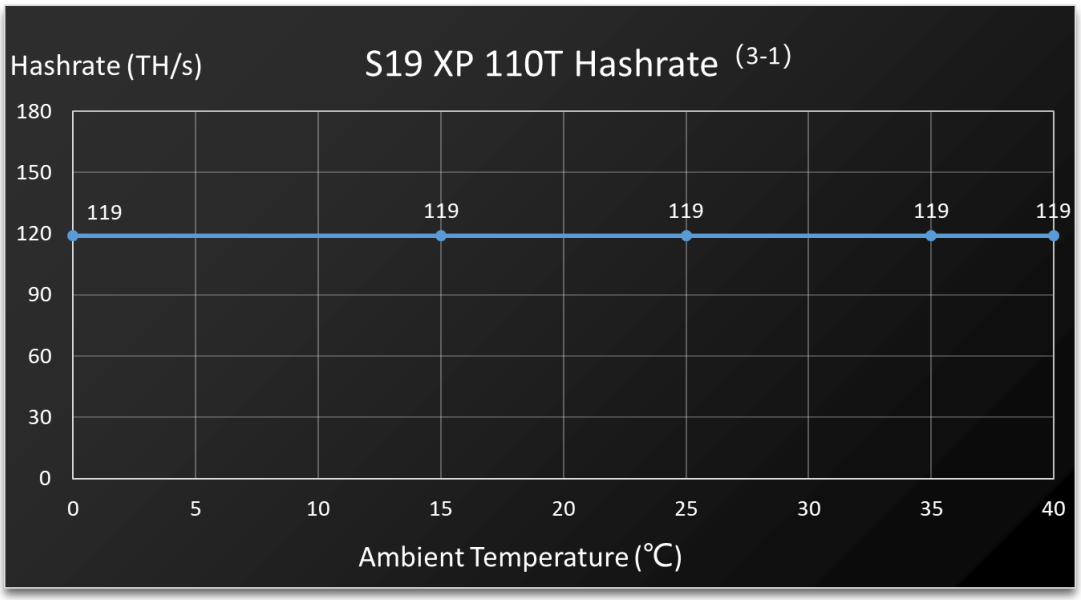
2.Perfermance Curve

(1) Hashrate vs. Ambient temperature

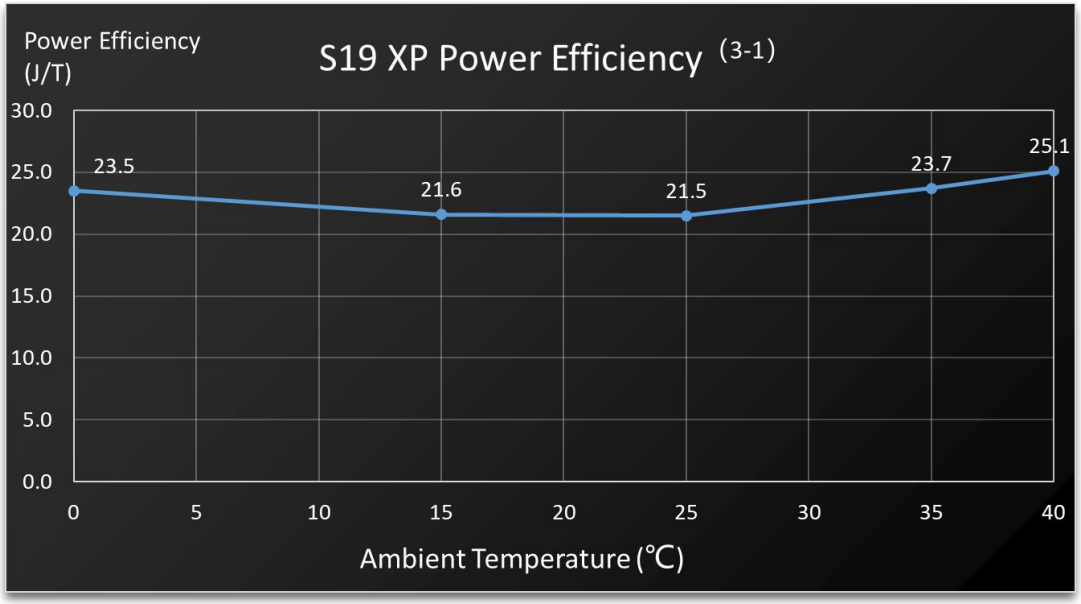





Hashrate (TH/s)
S19 XP 127T Hashrate (3-1)
180
150
120
90
60
30
0
127
127
127
127
127
0
5
10
15
20
25
30
35
40
Ambient Temperature (℃)


Hashrate (TH/s)
S19 XP 110T Hashrate (3-1)
180
150
120
90
60
30
0
119
119
119
119
119
0
5
10
15
20
25
30
35
40
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 ±3%, and the actual power efficiency on wall fluctuate by ±5%.