



S21 XP

Product Manual

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BITMAIN

BITMAIN TECHNOLOGIES INC.

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1.Specification

Product Glance	Value
Model	S21 XP
Sub	270T
Version	10
Crypto algorithm/coins	SHA256 BTC/BCH/BSV
Typical Hashrate, TH/s ⁽¹⁻¹⁾	270
Power on wall @25°C ⁽¹⁻²⁾ , Watt ⁽¹⁻¹⁾	3645
Power efficiency on wall@25°C ⁽¹⁻²⁾ , J/TH ⁽¹⁻¹⁾	13.5

Detailed Characteristics	Value		
Power supply			
Phase	1		
Power supply AC input voltage ⁽²⁻¹⁾ , Volt	220~277		
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	18.7		
Gross weight, kg	21.5		
Nosie ⁽²⁻³⁾ @30℃,dBA	76		
Airflow ⁽²⁻⁴⁾ , CFM	Min.	Typ.	Max.
	508	526	544
Environment Requirements			
Operation temperature,℃	-20~45		
Storage temperature, ℃	-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.

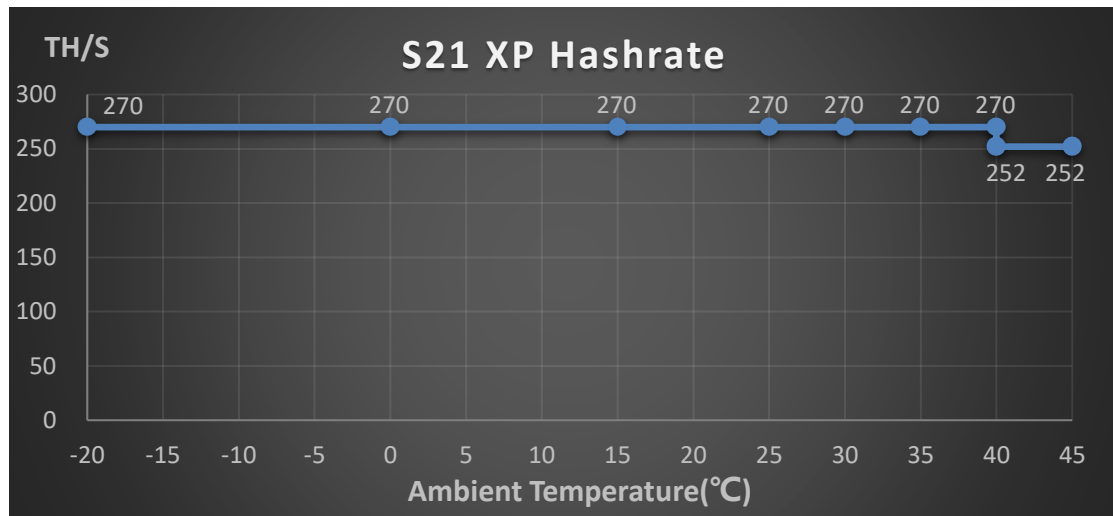
(2-3) Max condition: Fan is under max RPM(rotation per minute).

(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 Temperature

