



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
Input voltage range ⁽²⁻¹⁾ , Volt	220~277
Input frequency range, Hz	50~60
Maximum input current, Amp	20
Hardware Configuration	
Network connection mode	RJ45 Ethernet 10/100M
Server size (Length*Width*Height, w/o package), mm	449*219*293
Server size (Length*Width*Height, with package), mm	640*360*450
Net weight, kg	18.7
Gross weight, kg	21.5
Noise ⁽²⁻²⁾ @30°C, dBa	76
Environment Requirements	
Operation temperature,°C	-20~45
Storage temperature, °C	-20~70
Operation humidity(no condensation), RH	10%~90%
Operation altitude ⁽²⁻³⁾ , m	≤2000

Notes:

(1-1) The Hashrate value, Power on wall, and Power efficiency on wall are all typical value. 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.

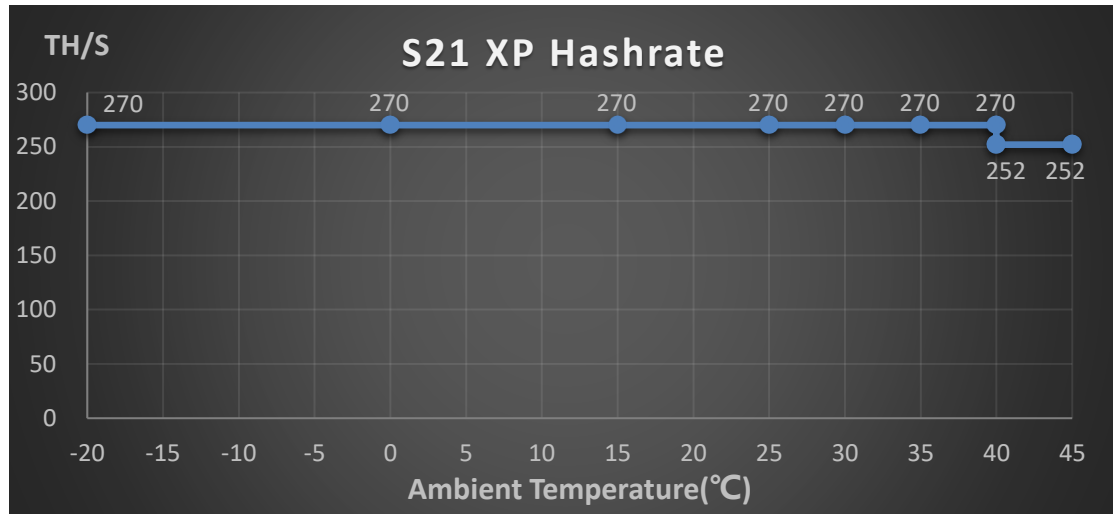
(2-1) Caution: Wrong input voltage may probably cause server damaged.

(2-2) The noise is loudest when the fan is under maximum RPM(rotation per minute).

(2-3) 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

