



# S19 XP

Product Manual

Nov. 2023

**BITMAIN**

# 1. Specification

Product Glance	Value
Model	<b>S19 XP</b>
Version	<b><del>K1-10</del> K1-10</b>
Crypto algorithm/coins	<b>SHA256   BTC/BCH/BSV</b>
Typical Hashrate, <b>TH/s</b> <sup>(1-1)</sup>	<b>141</b>
Power on wall @25°C <sup>(1-2)</sup> , <b>Watt</b> <sup>(1-1)</sup>	<b>3031.5</b>
Power efficiency on wall@25°C <sup>(1-2)</sup> , <b>J/TH</b> <sup>(1-1)</sup>	<b>21.5</b>

Detailed Characteristics	Value
<b>Power supply</b>	
Power supply AC input voltage, <b>Volt</b> <sup>(2-1)</sup>	<b>200~240V AC</b>
Power supply AC Input Frequency Range, <b>Hz</b>	<b>50~60</b>
Power supply AC Input current, <b>Amp</b> <sup>(2-2)</sup>	<b>20</b>
Adapted AC output power requirement, <b>W</b> <sup>(2-3)</sup>	<b>3600</b>
<b>Hardware Configuration</b>	
Network connection mode	<b>RJ45 Ethernet 10/100M</b>
Server size (Length*Width*Height, w/o package), <b>mm</b>	<b>400*195.5*290</b>
Server size (Length*Width*Height, with package), <b>mm</b>	<b>570*316*430</b>
Net weight, <b>kg</b>	<b>14.4</b>
Gross weight, <b>kg</b>	<b>16</b>
Noise, <b>dBa @25°C</b> <sup>(2-4)</sup>	<b>76</b>
<b>Environment Requirements</b>	
Operation temperature, <b>°C</b>	<b>0~40</b>
Storage temperature, <b>°C</b>	<b>-20~570</b>
Operation humidity, <b>RH</b>	<b>10%~590%</b>
Operation altitude, <b>m</b> <sup>(2-5)</sup>	<b>≤2000</b>

## 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) Two AC input wires, 10A per wire.

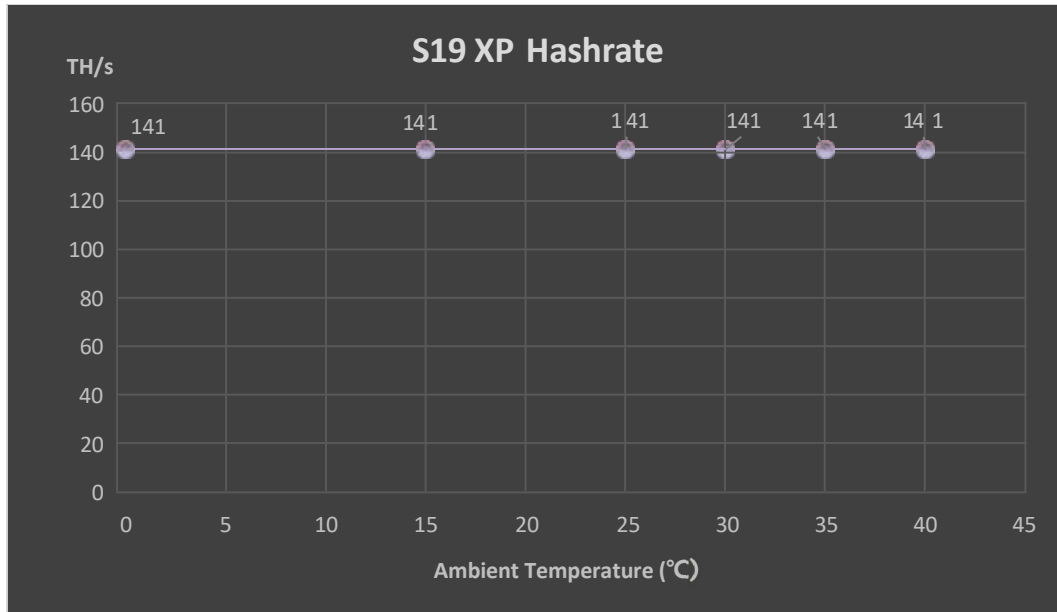
(2-3) Caution: It is strongly recommended that the power on wall of the minier does not exceed this value.

(2-4) Max condition: Fan is under max RPM(rotation per minute).

(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 Curve

### (1) Hashrate vs. Ambient temperature



### (2) J/T vs. Ambient temperature

