



# X9

## Product Manual

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**BITMAIN**

BITMAIN TECHNOLOGIES INC.

# 1.Specification

Product Glance	Value
Model	<b>X9</b>
Version	<b>10</b>
Crypto algorithm/coins	<b>RandomX   XMR</b>
Typical hashrate, <b>KH/s<sup>(1-1)</sup></b>	<b>1000</b>
Power on wall @25°C <sup>(1-2)</sup> , <b>Watt<sup>(1-1)</sup></b>	<b>2472</b>
Power efficiency on wall@25°C <sup>(1-2)</sup> , <b>J/K<sup>(1-1)</sup></b>	<b>2.47</b>

Detailed Characteristics	Value
<b>Power supply</b>	
Phase	<b>1</b>
Input voltage <sup>(2-1)</sup> , <b>Volt</b>	<b>220~277</b>
Input frequency range, <b>Hz</b>	<b>50/60</b>
Input current <sup>(2-2)</sup> , <b>Amp</b>	<b>20</b>
Power port	<b>P14</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>361*219*293</b>
Server size (Length*Width*Height, with package), <b>mm</b>	<b>630*350*430</b>
Net weight, <b>kg</b>	<b>17.5</b>
Gross weight, <b>kg</b>	<b>20.2</b>
Nosie <sup>(2-3)</sup> @25°C, <b>dba</b>	<b>76</b>
Max airflow <sup>(2-4)</sup> , <b>CFM</b>	<b>480</b>
<b>Environment Requirements</b>	
Operating temperature,°C	<b>-20~45</b>
Storage temperature, °C	<b>-40~70</b>
Operating humidity(no condensation), <b>RH</b>	<b>10%~90%</b>
Operating altitude <sup>(2-5)</sup> , <b>m</b>	<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) Single-phase AC input 20A.

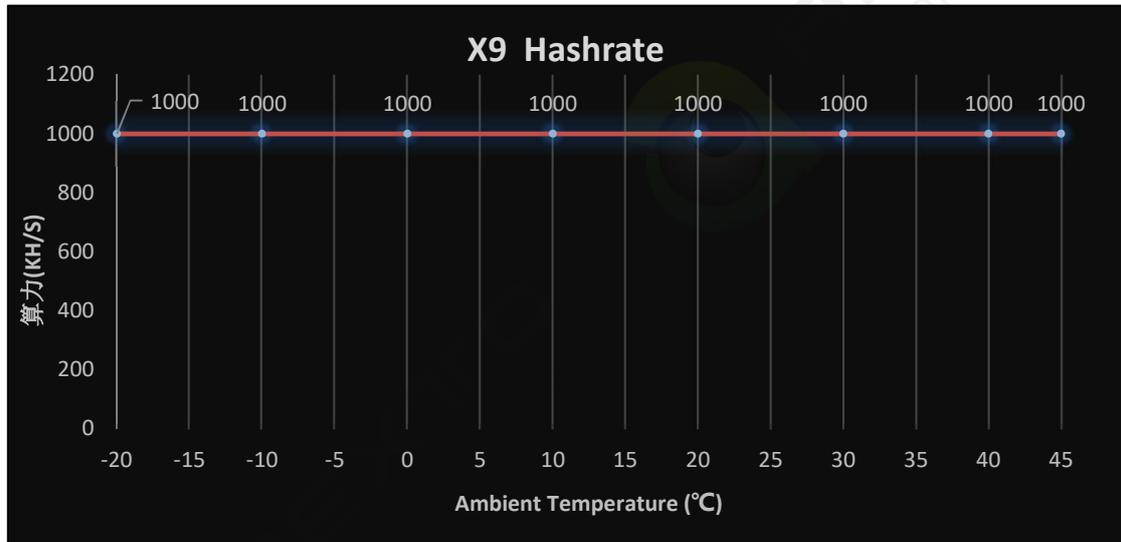
(2-3) Max condition: Fan is under max RPM(rotation per minute).

(2-4) When the server is dusty or the environment is poorly ventilated, the server airflow will reduce.

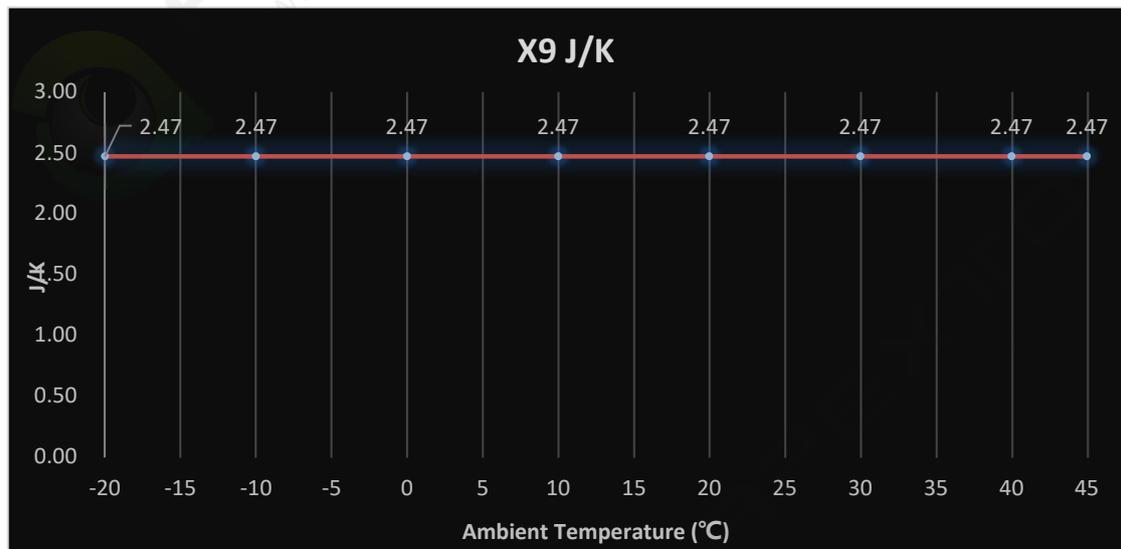
(2-5) When the server is used at an altitude from 900m to 2000m, the highest operating temperature decreases by 1°C for every increase of 300m.

## 2. Performance Curves

(1) Hashrate vs. Ambient Temperature



(2) Power Efficiency vs. Ambient Temperature



**Notes:**

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