



X9

Product Manual

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BITMAIN

BITMAIN TECHNOLOGIES INC.

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1.Specification

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

Detailed Characteristics	Value
Power supply	
Phase	1
Input voltage ⁽²⁻¹⁾ , Volt	220~277
Input frequency range, Hz	50/60
Input current ⁽²⁻²⁾ , Amp	20
Power port	P14
Hardware Configuration	
Network connection mode	RJ45 Ethernet 10/100M
Server size (Length*Width*Height, w/o package), mm	361*219*293
Server size (Length*Width*Height, with package), mm	630*350*430
Net weight, kg	17.5
Gross weight, kg	20.2
Nosie ⁽²⁻³⁾ @25°C, dBa	76
Max airflow ⁽²⁻⁴⁾ , CFM	480
Environment Requirements	
Operating temperature,°C	-20~45
Storage temperature, °C	-40~70
Operating humidity(no condensation), RH	10%~90%
Operating altitude ⁽²⁻⁵⁾ , m	≤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) Single-phase AC input 20A.

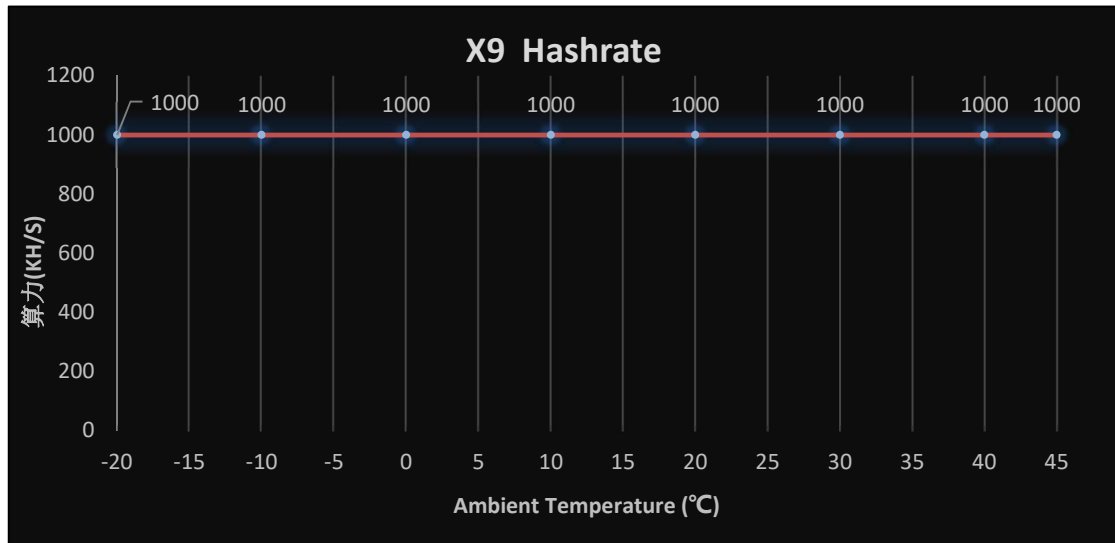
(2-3) Max condition: Fan is under max RPM(rotation per minute).

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

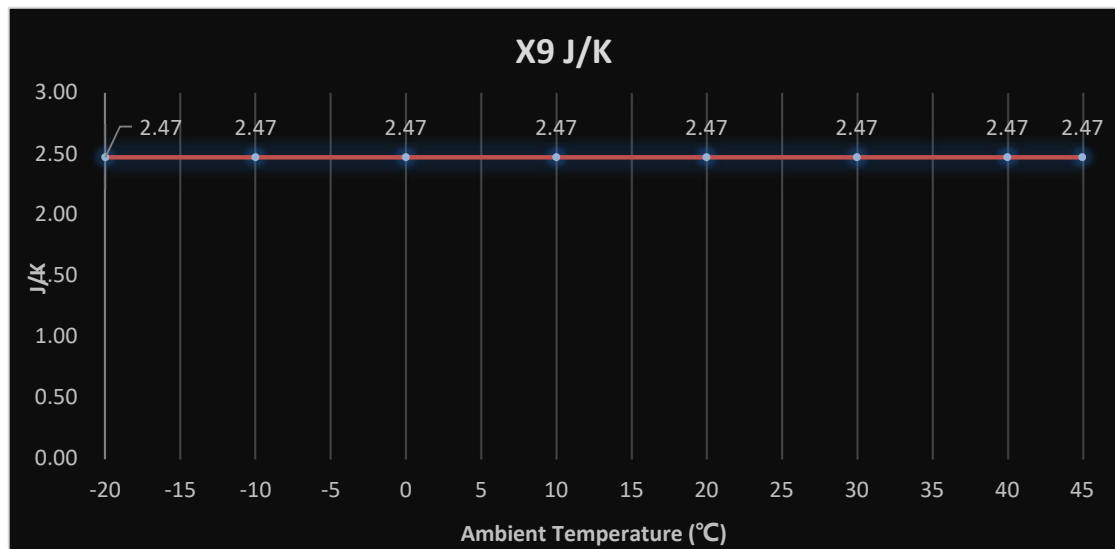
(2-5) When the server is used at an altitude from 900m to 2000m, the highest operating temperature decreases by 1°C for every increase of 300m.

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 $\pm 5\%$.