



T21

Product Manual

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BITMAIN

BITAMIN TECHNOLOGIES INC.

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1. Specification

Product Glance	Value
Model	T21
Version	L1-10
Crypto algorithm/coins	SHA256/BTC
Typical hashrate, TH/s ⁽¹⁻¹⁾	190
Power on wall @25°C ⁽¹⁻²⁾ , Watt ⁽¹⁻¹⁾	3610
Power efficiency on wall @25°C, J/TH ⁽¹⁻¹⁾	19.0

Detailed Characteristics	Value
Power supply	
Power supply AC input voltage range, V ⁽²⁻¹⁾	380~415V AC
Power supply AC input frequency range, Hz	50~60
Power supply AC input current, A ⁽²⁻²⁾	12
Adapted AC output power requirement, W ⁽²⁻³⁾	6000
Hardware configuration	
Networking connection mode	RJ45 Ethernet 10/100M
Server size (Length*Width*Height, w/o package), mm	400*195*290
Server size (Length*Width*Height, with package), mm	570*316*430
Net weight, kg	16.4
Gross weight, kg	18.1
Noise, dBa @25°C ⁽²⁻⁴⁾	76
Environment requirements	
Operation temperature, °C	0~45
Storage temperature, °C	-20~70
Operation humidity, RH	10%~90%
Operation altitude, m ⁽²⁻⁵⁾	≤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 ±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 cause server damage.

(2-2) Three-phase AC input, 10 A per wire.

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

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

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

2. Working Mode

Working mode	NEM ⁽³⁻¹⁾	HEM ⁽³⁻²⁾		
		0~30	30~40	40~45
Operation temperature, °C	0~35	0~30	30~40	40~45
Hashrate, TH/s	190	233	214	190
Power on wall, Watt	3610	5126	4708	4180
Power efficiency on wall, J/TH	19.0	22.0	22.0	22.0

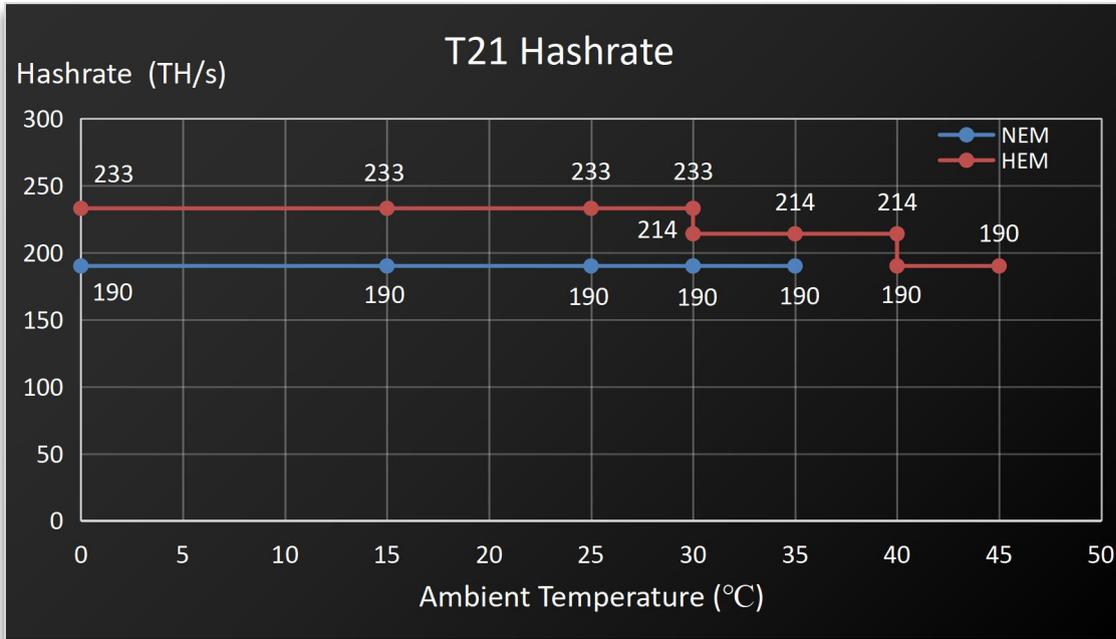
Notes:

(3-1) NEM: Normal Energy Mode

(3-2) HEM: High Energy Mode

3. Performance Curve

(1) Hashrate vs. Ambient Temperature



(2) J/T vs. Ambient Temperature

