



S19k Pro

Product Manual

Oct. 2023

BITMAIN

1. Specification

Product Glance	Value
Model	S19k Pro
Version	K1-10
Crypto algorithm/coins	SHA256 BTC/BCH
Typical Hashrate, TH/s ⁽¹⁻¹⁾	120
Power on wall @25°C ⁽¹⁻²⁾ , Watt ⁽¹⁻¹⁾	2760
Power efficiency on wall@25°C ⁽¹⁻²⁾ , J/TH ⁽¹⁻¹⁾	23

Detailed Characteristics	Value
Power supply	
Power supply AC input voltage, Volt ⁽²⁻¹⁾	200~240V AC
Power supply AC Input Frequency Range, Hz	50~60
Power supply AC Input current, Amp ⁽²⁻²⁾	20
Adapted AC output power requirement, W ⁽²⁻³⁾	3600
Hardware Configuration	
Network 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	12.85
Gross weight, kg	14.5
Noise, dBA @25°C ⁽²⁻⁴⁾	72
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 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 miner 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. Working Mode

Working mode	NEM⁽³⁻¹⁾	HEM⁽³⁻²⁾
Operation temperature, °C	0~45	0~40
Hashrate, TH/s	120	136
Power on wall@25°C, Watt	2760	/
Power efficiency on wall@25°C, J/TH	23.0	/

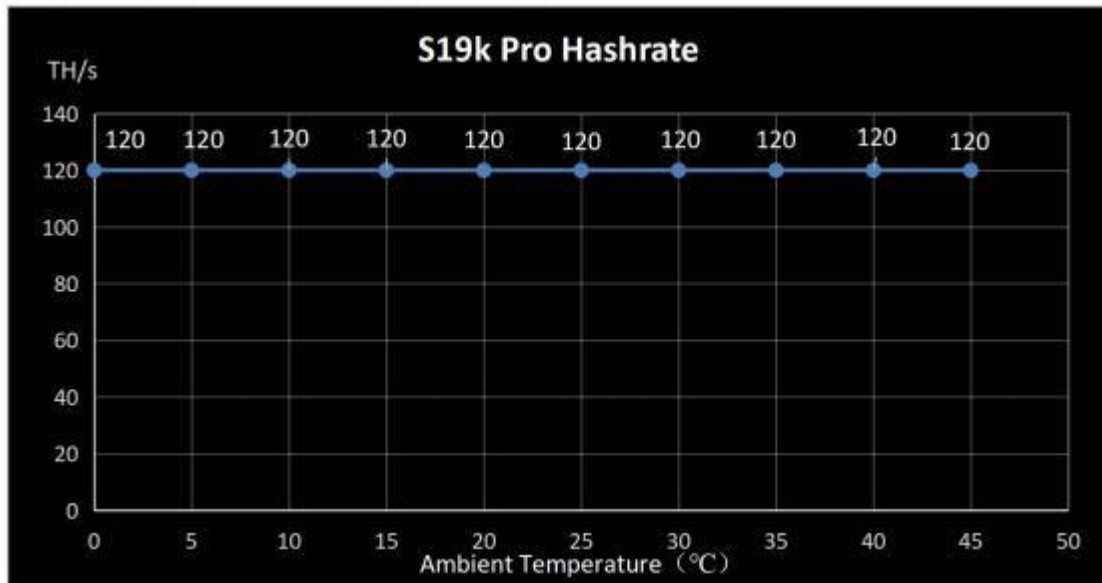
Notes:

(3-1) NEM: Normal Energy Mode

(3-2) HEM: High Energy Mode

2. Performance Curves

(1) Hashrate vs. Ambient Temperature



(2) J/T vs. Ambient Temperature

