ANTMINER

S19k Pro

Product Manual

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BITMAIN

BITAMIN TECHNOLOGIES INC.

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1.Specification

Product Glance	Value
Model	**S19k Pro**
Version	**K1-10**
Crypto algorithm/coins	**SHA256 | BTC/BCH**
Typical Hashrate, **TH/s**(1-1)	**115**
Power on wall @25℃(1-2), **Watt**(1-1)	**2645**
Power efficiency on wall@25℃(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)	**4000**
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**	**14.6**
Gross weight, **kg**	**16.4**
Noise, **dBA** @25℃ (2-4)	**72**
Environment Requirements	
Operation temperature, ℃	**0~45**
Storage temperature, ℃	**-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

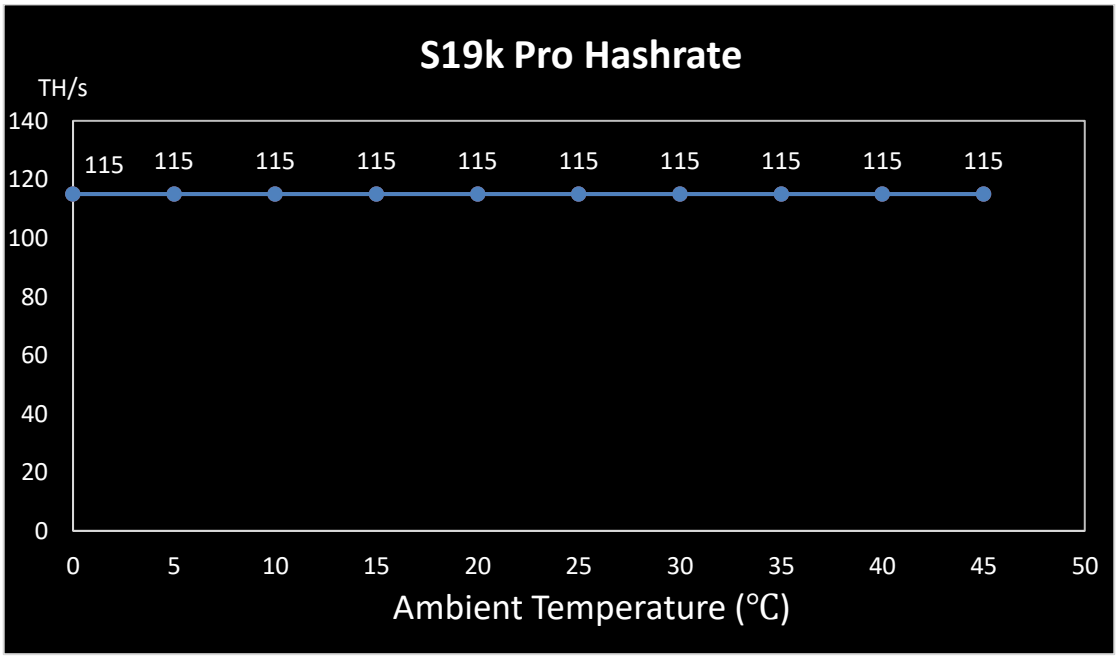
Working mode	**NEM**(3-1)	**HEM**(3-2)
Operation temperature, **℃**	**0~45**	**0~40**
Hashrate, **TH/s**	**115**	**136**
Power on wall@25℃, **Watt**	**2645**	**/**
Power efficiency on wall@25℃, **J/TH**	**23.0**	**/**

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