ANTMINER

# S19j XP

## Product Manual

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BITMAIN

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# 1. Specification

| Product Glance | Value | | | |
|---|---|---|---|---|
| Model | **S19j XP** | | | |
| Version | **K1-20** | | | |
| Crypto algorithm/coins | **SHA256 \| BTC/BCH** | | | |
| Typical hashrate, **TH/s**(1-1) | **151** | **143** | **136** | **130** |
| Power on wall @25℃(1-2), **Watt**(1-1) | **3247** | **3075** | **2924** | **2795** |
| Power efficiency on wall@25℃(1-2), **J/TH**(1-1) | **21.5** | | | |

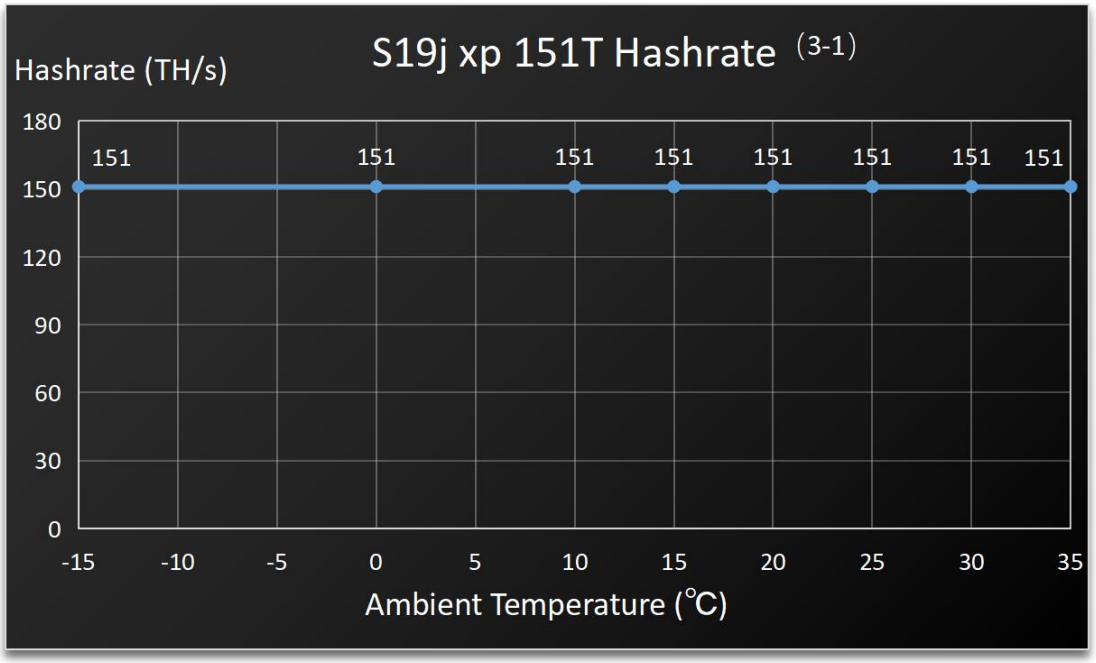
| Detailed Characteristics | Value |
|---|---|
| **Power supply** | |
| Power supply AC input voltage, **Volt**(2-1) | **220~277V** |
| Power supply AC Input Frequency Range, **Hz** | **50~60** |
| Power supply AC Input current, **Amp** | **20** |
| Adapted AC output power requirement, **W** | **4000** |
| **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** | **14.9** |
| Gross weight, k**g** | **16.6** |
| Noise(2-2) @30℃, **dBA** | **76** |
| Max airflow(2-3)， **CFM** | **480** |
| **Environment Requirements** | |
| Operation temperature, ℃ | **-15~35** |
| Storage temperature, ℃ | **-20~70** |
| Operation humidity, **RH** | **10%~90%(non-condensing)** |
| Operation altitude， **m**(2-4) | **≤2000** |

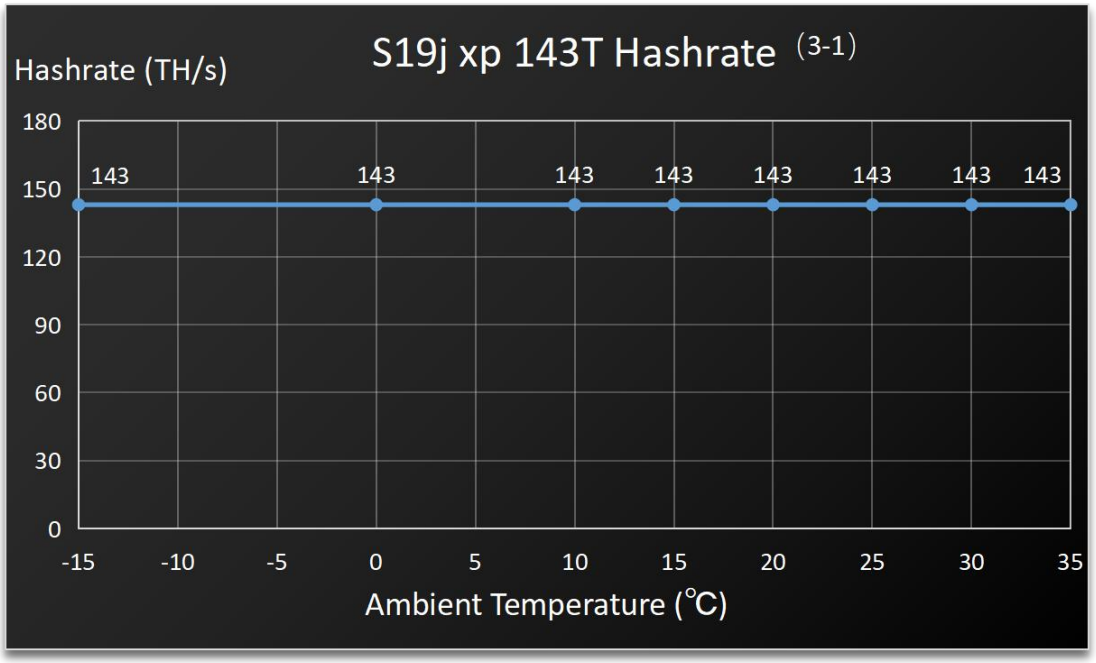
## Notes:

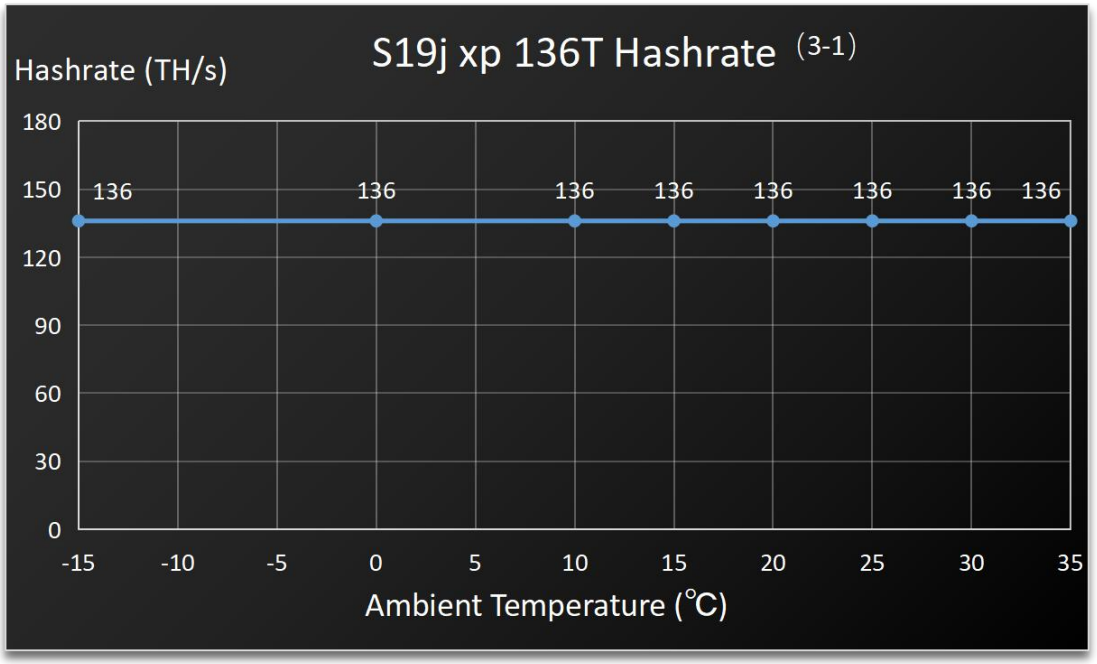
(1-1) The Hashrate value, Power on wall, and Power efficiency on wall are all typical values, The actual Hashrate value fluctuates by ±3%, and the actual Power on wall and Power efficiency on wall fluctuate by ±5%.
(1-2) Inlet air temperature.
(2-1) Caution: Wrong input voltage may probably cause server damaged
(2-2) The noise is loudest when the fan is under maximum RPM(rotation per minute).
(2-3) When the server is dusty or the environment is poorly ventilated, the server airflow will reduce.
(2-4) When the server is used at an altitude from 900m to 2000m, the highest operating temperature decreases by 1℃ for every increase of 300m.

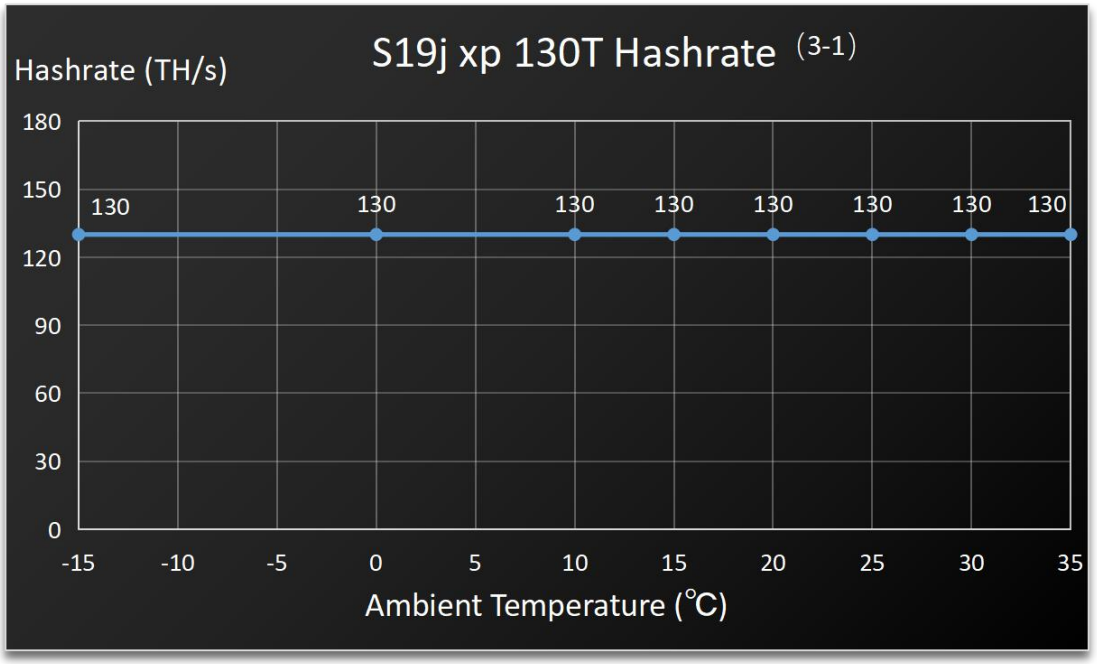
# 2.Perfermance Curve

**(1) Hashrate vs. Ambient temperature**

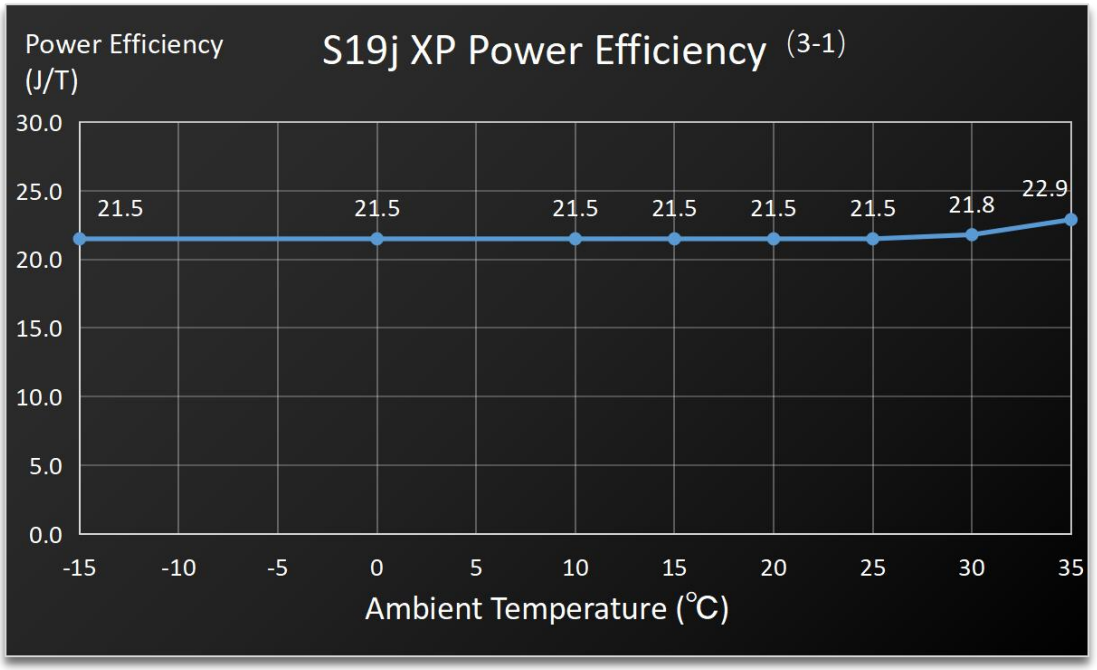



S19j xp 136T Hashrate (3-1)
Hashrate (TH/s)
180
150
120
90
60
30
0
136
136
136
136
136
136
136
136
-15
-10
-5
0
5
10
15
20
25
30
35
Ambient Temperature (°C)


S19j xp 130T Hashrate (3-1)
Hashrate (TH/s)
180
150
120
90
60
30
0
130
130
130
130
130
130
130
130
-15
-10
-5
0
5
10
15
20
25
30
35
Ambient Temperature (°C)

**(2) J/T vs. Ambient temperature**




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