



# U3S19XP+H

Product Manual

Jul. 2024

**BITMAIN**

BITMAIN TECHNOLOGIES INC.

[www.bitmain.com](http://www.bitmain.com)

# 1. Specification

<b>Product Glance</b>	<b>Value</b>			
Model	<b>U3S19XP+H</b>			
Sub	<b>504T</b>	<b>532T</b>	<b>558T</b>	<b>586T</b>
Version	<b>10</b>			
Crypto algorithm/coins	<b>SHA256 BTC/BCH/BSV</b>			
Typical hashrate, <b>TH/s</b> <sup>(1-1)</sup>	<b>504</b>	<b>532</b>	<b>558</b>	<b>586</b>
Power on wall @35°C <sup>(1-2)</sup> , <b>Watt</b> <sup>(1-1)</sup>	<b>9576</b>	<b>10108</b>	<b>10602</b>	<b>10900</b>
Power efficiency on wall@35°C <sup>(1-2)</sup> , <b>J/T</b> <sup>(1-1)</sup>	<b>19</b>			

<b>Detailed Characteristics</b>	<b>Value</b>
<b>Power supply</b>	
Phase	<b>3</b>
Input voltage, <b>Volt</b> <sup>(2-1)</sup>	<b>380~415</b>
Input frequency range, <b>Hz</b>	<b>50~60</b>
Input max current, <b>Amp</b>	<b>24</b>
Power port	<b>LP34</b>
<b>Hardware configuration</b>	
Network connection mode	<b>RJ45 Ethernet 10/100M</b>
Server size (length*width*height, w/o package), <b>mm</b>	<b>790*440*130</b>
Server size (length*width*height, with package), <b>mm</b>	<b>997*637*252</b>
Net weight, <b>kg</b>	<b>37</b>
Gross weight, <b>kg</b>	<b>41</b>
<b>Environment requirements</b>	
Inlet water temperature, °C	<b>20~50</b>
Coolant flow, <b>L/min</b>	<b>16.0~20.0</b>
Coolant pressure, <b>bar</b>	<b>≤3.5</b>
Working coolant <sup>(2-2)</sup>	<b>Antifreeze/ Deionized water/ Pure water</b>
Coolant pH value	<b>Antifreeze: 7.0~9.0 Prue water: 6.5~7.5 Deionized water: 8.5~9.5</b>
Diameter of coolant pipe connector, <b>mm</b>	<b>OD14</b>
Storage temperature, °C	<b>-20~70</b>
Operation humidity(non-condensing), <b>RH</b>	<b>10~90%</b>

## Notes:

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

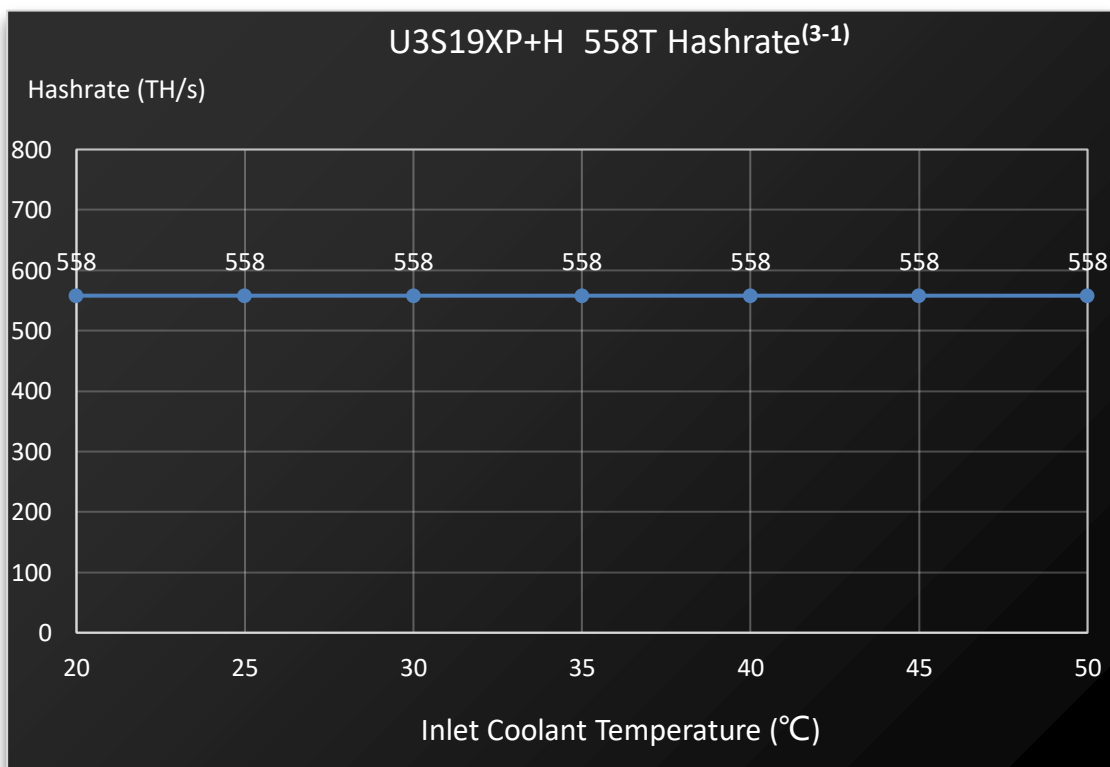
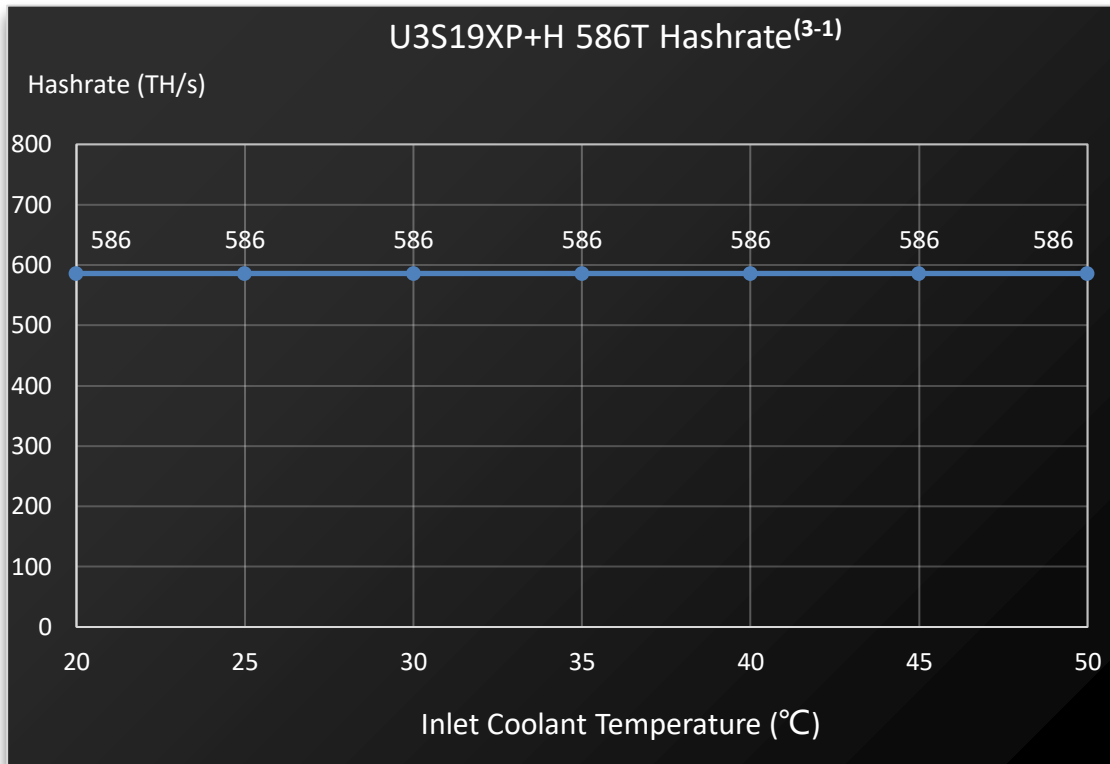
(1-2) Inlet coolant temperature.

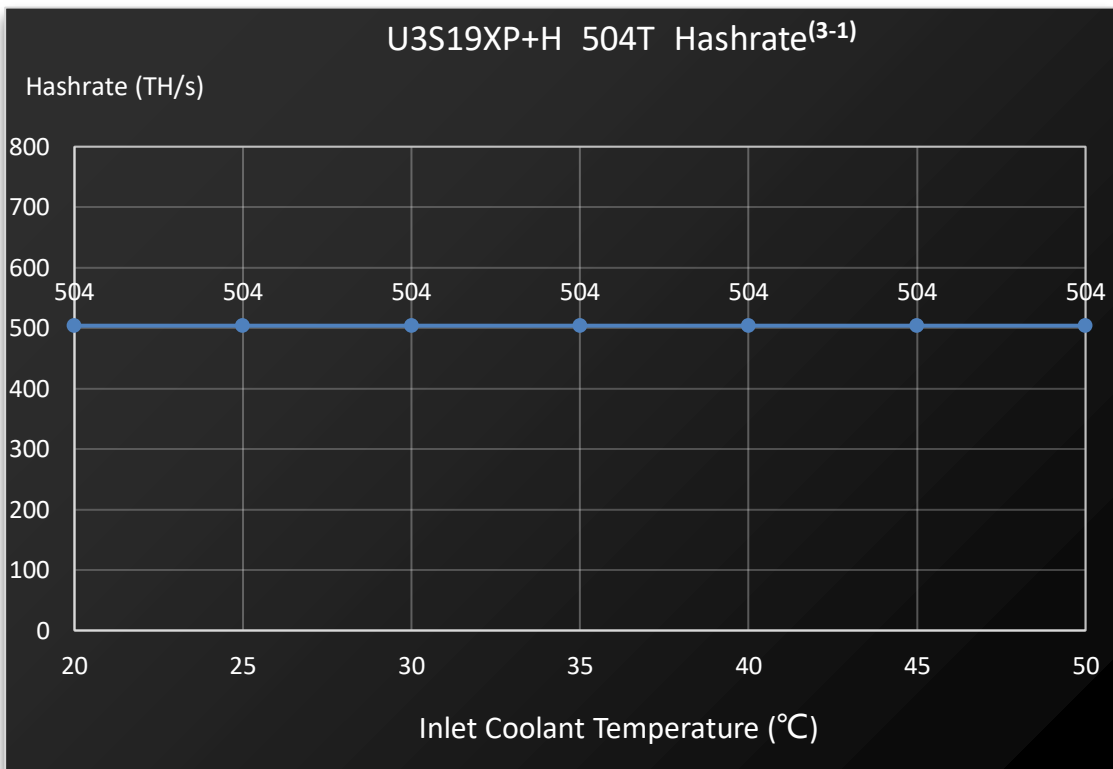
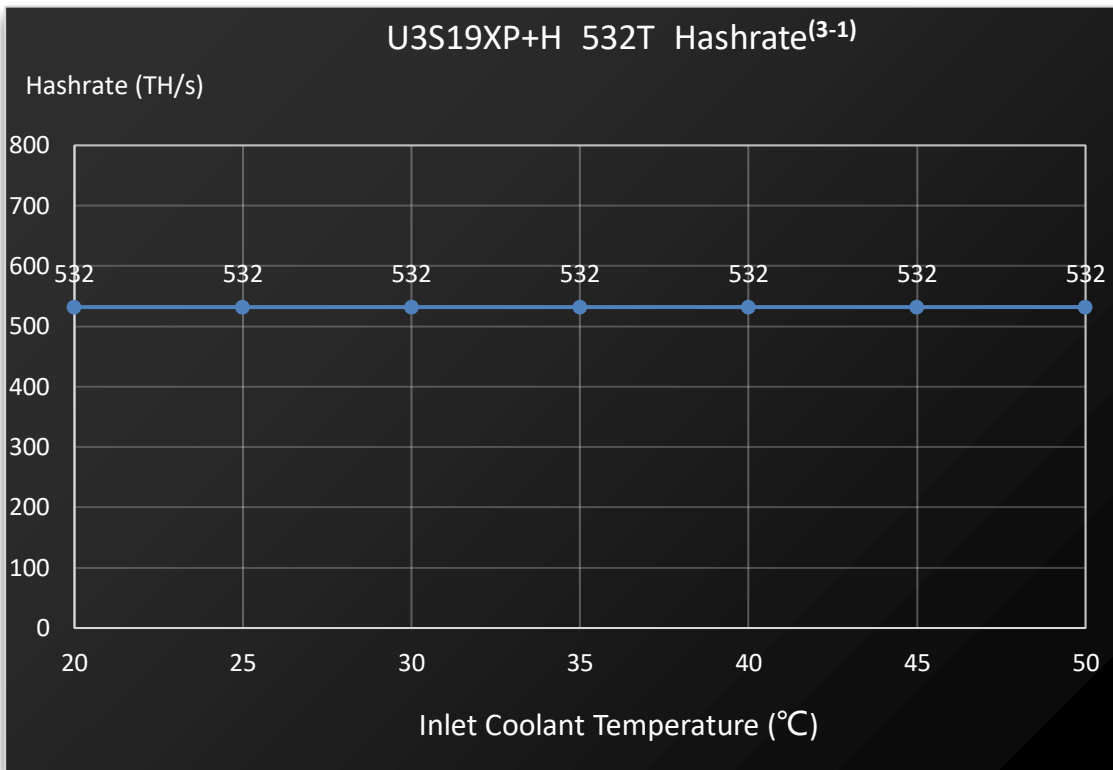
(2-1) Caution: Wrong input voltage may cause server damaged.

(2-2) For detailed working coolant use and maintenance instructions, please refer to "ANTSPACE HK3 Water Cooling Container & Dry-Wet Tower Product Manual", Chapter 9, Article 3, Point 6, "Maintenance of Coolant"!

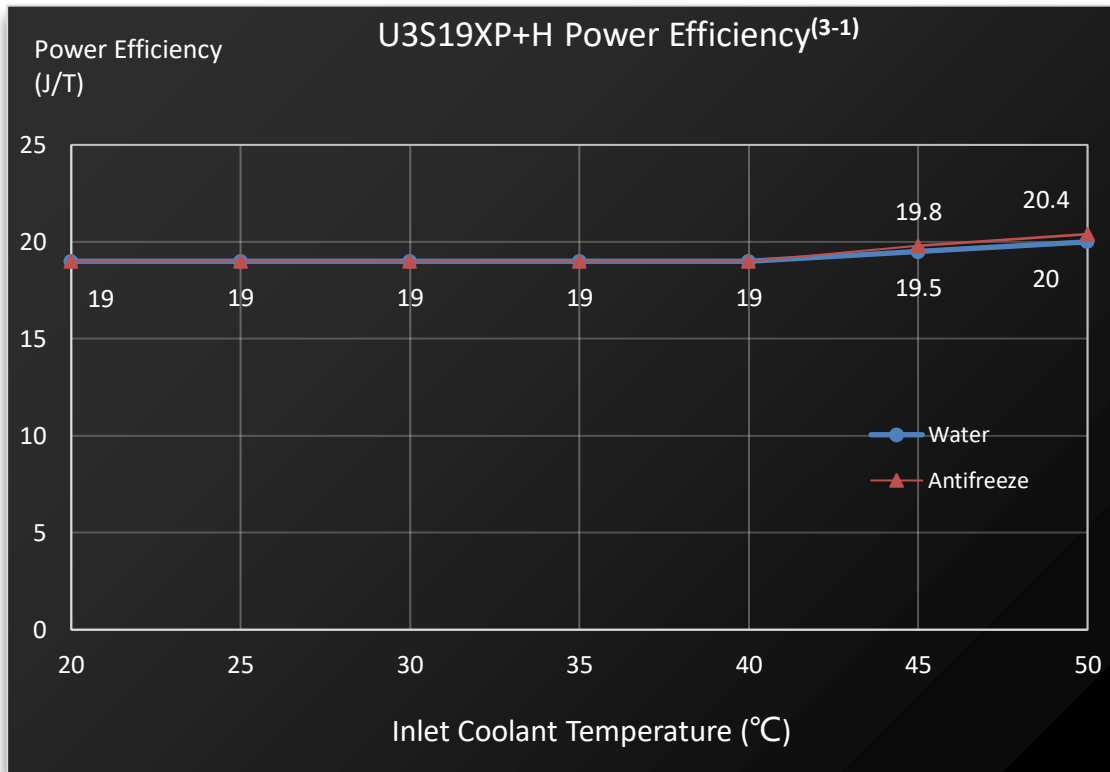
## 2. Performance Curve

### (1) Hashrate vs. Inlet Coolant Temperature





## (2) Power Efficiency vs. Inlet Coolant Temperature



(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  $\pm 5\%$ .

### 3. Product Port

