



# U3S23H

## Product Manual

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**BITMAIN**

BITMAIN TECHNOLOGIES INC.

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

## 1. Specification

Product Glance	Value
Model	U3S23H
Version	<b>1160T-10</b>
Crypto algorithm/coins	<b>SHA256 BTC/BCH/BSV</b>
Typical hashrate, TH/s <sup>(1-1)</sup>	<b>1,160</b>
Power on wall @35°C <sup>(1-2)</sup> , Watt <sup>(1-1)</sup>	<b>11,020</b>
Power efficiency on wall@35°C <sup>(1-2)</sup> , J/T <sup>(1-1)</sup>	<b>9.5</b>

Detailed Characteristics	Value
<b>Power supply</b>	
Phase	<b>3</b>
Input voltage, Volt <sup>(2-1)</sup>	<b>380~415</b>
Input frequency range, Hz	<b>50~60</b>
Input max current, Amp	<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), mm	<b>900*482.6*130</b>
Server size (length*width*height, with package), mm	<b>1,150*640*260</b>
Net weight, kg	<b>42.0</b>
Gross weight, kg	<b>48.0</b>
<b>Environment requirements</b>	
Inlet coolant temperature, °C	<b>20~50</b>
Coolant flow, L/min	<b>16.0~20.0</b>
Coolant pressure, bar	<b>≤3.5</b>
Working Coolant <sup>(2-2)</sup>	<b>Antifreeze / Pure water / Deionized 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, mm	<b>OD14</b>
Storage temperature, °C	<b>-20~70</b>
Operation humidity(non-condensing), RH	<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  $\pm 5\%$ .

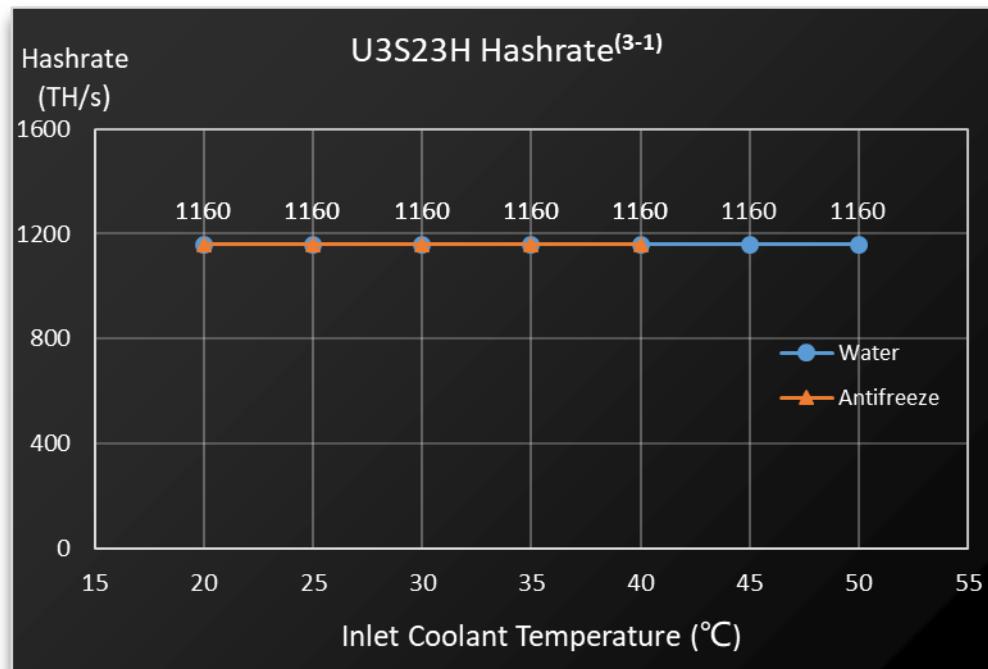
(1-2) Inlet coolant temperature.

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

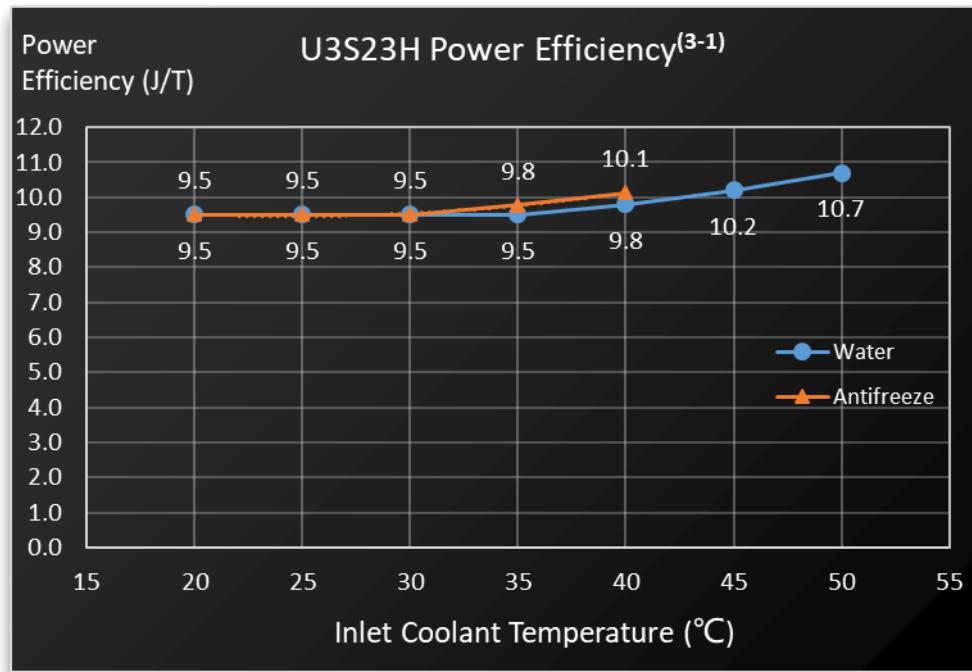
(2-2) For detailed working coolant use and maintenance instructions, please refer to "**ANTSPACE HK3 Water Cooling Container & Dry-Wet Tower Product Manual**", Chapter 9, Article 3, Point 6, "Maintenance of Coolant"!

## 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  $\pm 5\%$ .