



# U3S23H

## Product Manual

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**BITMAIN**

BITMAIN TECHNOLOGIES INC.

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# 1. Specification

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

| Detailed Characteristics                                   | Value                                                                  |
|------------------------------------------------------------|------------------------------------------------------------------------|
| <b>Power supply</b>                                        |                                                                        |
| Phase                                                      | 3                                                                      |
| Input voltage, <b>Volt</b> <sup>(2-1)</sup>                | 380~415                                                                |
| Input frequency range, <b>Hz</b>                           | 50~60                                                                  |
| Input max current, <b>Amp</b>                              | 24                                                                     |
| Power port                                                 | LP34                                                                   |
| <b>Hardware configuration</b>                              |                                                                        |
| Network connection mode                                    | RJ45 Ethernet 10/100M                                                  |
| Server size (length*width*height, w/o package), <b>mm</b>  | 900*482.6*130                                                          |
| Server size (length*width*height, with package), <b>mm</b> | 1,150*640*260                                                          |
| Net weight, <b>kg</b>                                      | 42.3                                                                   |
| Gross weight, <b>kg</b>                                    | 47.7                                                                   |
| <b>Environment requirements</b>                            |                                                                        |
| Inlet coolant temperature, °C                              | 20~50                                                                  |
| Coolant flow, <b>L/min</b>                                 | 16.0~20.0                                                              |
| Coolant pressure, <b>bar</b>                               | ≤3.5                                                                   |
| Working Coolant <sup>(2-2)</sup>                           | Antifreeze/ Pure water/<br>Deionized water                             |
| Coolant pH value                                           | Antifreeze: 7.0~9.0<br>Pure water: 6.5~7.5<br>Deionized water: 8.5~9.5 |
| Diameter of Coolant pipe connector, <b>mm</b>              | OD14                                                                   |
| Storage temperature, °C                                    | -20~70                                                                 |
| Operation humidity(non-condensing), <b>RH</b>              | 10~90%                                                                 |

## 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  $\pm 5\%$ .

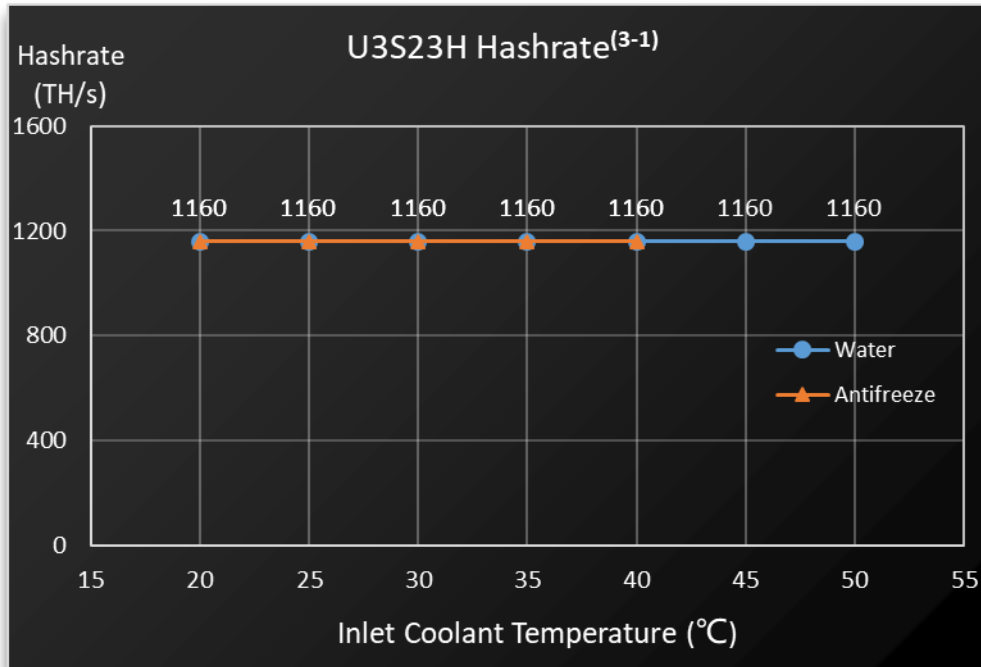
(1-2) Inlet coolant temperature.

(2-1) Caution: Wrong input voltage may cause damage to the server.

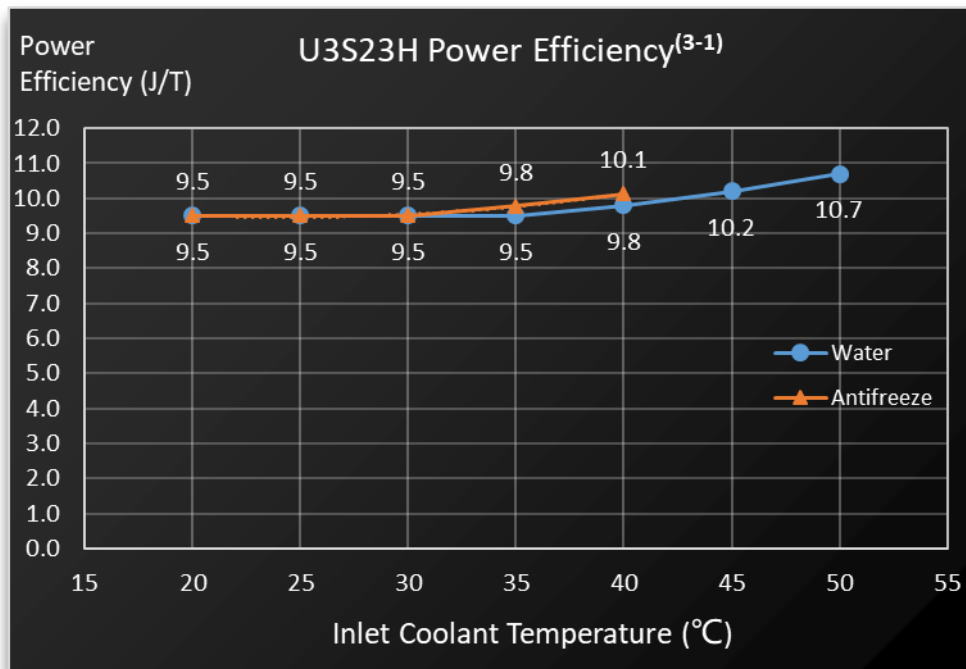
(2-2) For detailed working coolant use and maintenance instructions, please refer to "ANTSPACE HK3 Water Cooling Container & Dry-Wet Tower Product Manual", Chapter 9, Article 3, Point 6, "Maintenance of Coolant".

## 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 fluctuates by  $\pm 5\%$ .