ANTMINER

U3S23H

Product Manual

May. 2025

BITMAIN

BITMAIN TECHNOLOGIES INC.

1. Specification

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

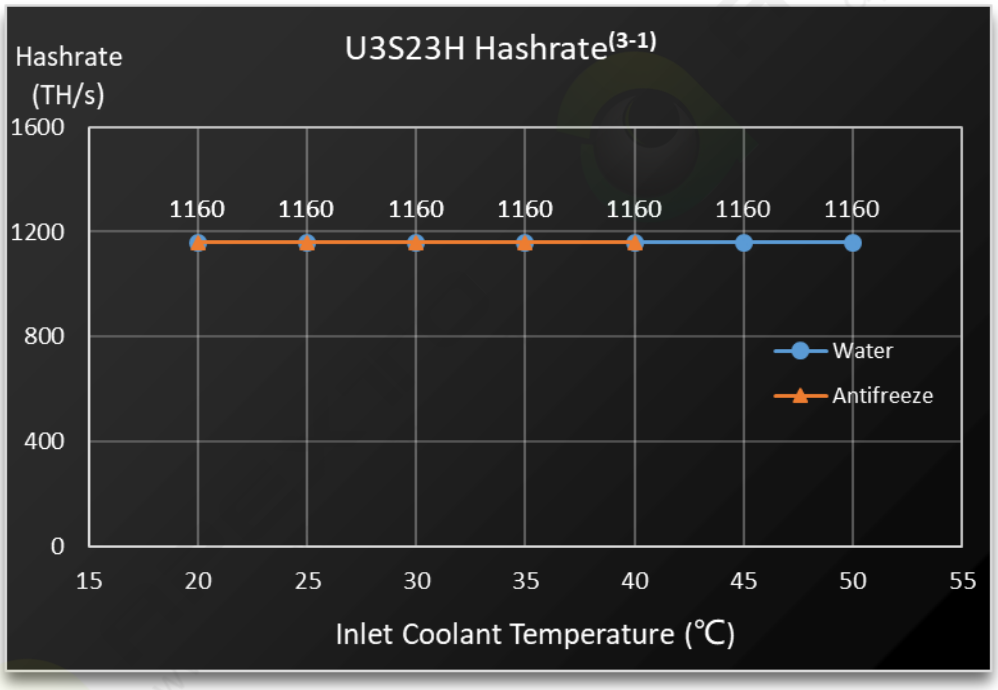
Detailed Characteristics	Value
Power supply	
Phase	**3**
Input voltage, **Volt**(2-1)	**380~415**
Input frequency range, **Hz**	**50~60**
Input max current, **Amp**	**24**
Power port	**LP34**
Hardware configuration	
Network connection mode	**RJ45 Ethernet 10/100M**
Server size (length*width*height, w/o package), **mm**	**900*482.6*130**
Server size (length*width*height, with package), **mm**	**1,150*640*260**
Net weight, **kg**	**42.0**
Gross weight, **kg**	**48.0**
Environment requirements	
Inlet coolant temperature, **℃**	**20~50**
Coolant flow, **L/min**	**16.0~20.0**
Coolant pressure, **bar**	**≤3.5**
Working Coolant (2-2)	**Antifreeze/ Pure water/ Deionized water**
Coolant pH value	**Antifreeze: 7.0~9.0 Prue water: 6.5~7.5 Deionized water：8.5~9.5**
Diameter of Coolant pipe connector, **mm**	**OD14**
Storage temperature, **℃**	**-20~70**
Operation humidity(non-condensing), **RH**	**10~90%**

Notes:

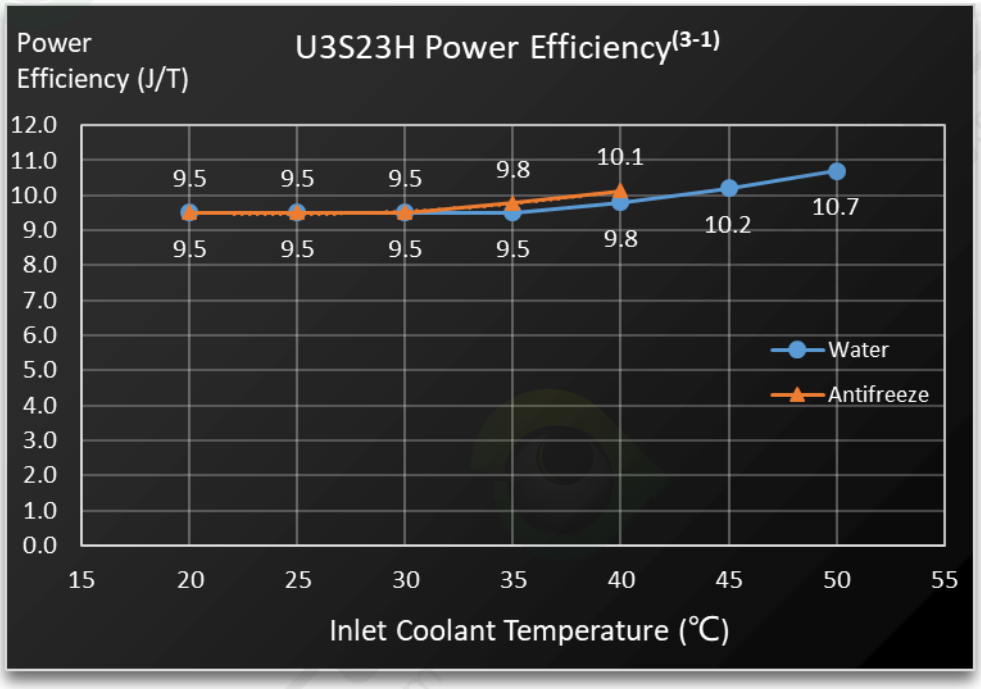
(1-1) The hashrate value, power on wall, and power efficiency on wall are all typical values. The actual hashrate value fluctuates by ±3%, and the actual power on wall and power efficiency on wall fluctuate by ±5%.
(1-2) Inlet coolant temperature.
(2-1) Caution: Wrong input voltage may cause server damaged.
(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 ±3%, and the actual power efficiency on wall fluctuate by ±5%.