BiXBiT

SPECIFICATION



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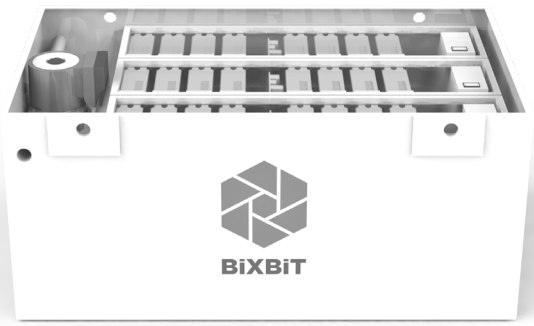
CELL

CHARACTERISTICS

Equipment units:		
or	GPU / FPGA	up to 24 units
	ASIC	up to 6 units
Dimensions		750 x 380 x 440
Water consumption		0 - 0.25 м³/h
Water inlet temperature		15°C
Water outlet temperature		up to 65°C
Heatsink		up 15kW

CONFIGURATION

Immersion liquid COOLANT
Cell with lid
Rig frames 3 pcs
Heat exchanger
Pump for internal circuit
Hydraulic cell strapping
Cooling tower.



ADVANTAGES

1 The ideal solution for home mining. A silent and compact installation can be placed in any living room, without any additional ventilation, noise background and the need for warm and cold air corridors.

2 The density of equipment in the container is 2-3 times higher than in case of air cooling. Each cell can contain 24 GPU / FPGA cards or 6 ASICs type Antminer S9.

3 Smart heat utilization generated by computing equipment.

4 The coolant is inert, dielectric, non-toxic, has no color or smell.

5 It is a holistic structure with a lid. The cell is made of corrosion-resistant and temperature gradient material.

6 All necessary infrastructure is placed inside the cell. Besides mining equipment, the cell is equipped with a pump, heat exchanger and other useful facilities. There are only two outputs - for connection to power supply and to the Ethernet.

7 Eco-friendly cooling process. It generates only heat, which can be also efficiently utilized. There is no any toxic fumes, which makes the installation safe for humans and animals.

RACK

CHARACTERISTICS

Equipment units:		
or	GPU / FPGA	up to 96 units
	ASIC	up to 24 units
Dimensions		626 x 750 x 2050
Water consumption		0 - 1 м³/h
Water inlet temperature		15°C
Water outlet temperature		up to 65°C
Heatsink		up to 60kW

CONFIGURATION

Immersion liquid COOLANT
Cell with lid 4pcs
Rig frames 12pcs
Heat exchanger 4pcs
Pump for internal circuit 4pcs
Hydraulic cell strapping 4pcs
Rack frame
Electrical harness and protective automatics
Hydraulic rack strappings
Cooling tower
AMS* (Automatic Monitoring and Control System).



ADVANTAGES

1 The rack is designed due regard to the possibility of useful heat utilization. It is possible to divert all the heat generated (in case of 100% guaranteed use for water heating, industrial purposes and agricultural needs) or a part of the heat with an ejection surplus through the cooling tower. The rack is also equipped with an external cooling circuit.

2 Vertical design of the rack allows you to accommodate more units of equipment. One rack can contain up to 96 GPUs or 24 ASICs and locates on less than 0.5 m2 area.

3 The technology of factory welding provides mechanical strength and structure stability. The rack can be transported to any place, depending on terms of convenience or profit.

4 The equipment is stored in retractable cells, which facilitates access to it and provides quick replacement of components. Thus, the installation's processes continue to work without idling.

5 AMS* (Automatic Monitoring and Control System) performs full control over the electrical part of the rack with instantaneous diagnostics. All information about rack, cells, circuit breakers, pumps and rigs is displayed on a 7-inch touchscreen display. Sensors are installed in each cell and in an external closed circuit. In case of emergency, either one cell or the entire rack is shutdown. AMS features full control of power consumption, cooling tower speed as well as remote control and connection to external PC.



CONTAINER

CHARACTERISTICS

10 FEET

Dimensions: 3000 x 2450 x 2600

Capacity: 8 racks
up to 864 GPU / FPGA
or 192 ASIC.

General construction part
Power wiring
Electrical circuits
Fire extinguishing system
Server
CCTV
Access control system.

CHARACTERISTICS

20 FEET

Dimensions: 6060 x 2450 x 2600

Capacity: 16 racks
up to 1728 GPU / FPGA
or 384 ASIC.

General construction part
Power wiring
Electrical circuits
Fire extinguishing system
Server
CCTV
Access control system.

CHARACTERISTICS

40 FEET

Dimensions: 12190 x 2450 x 2600

Capacity: 32 racks
up to 3456 GPU / FPGA
or 768 ASIC.

General construction part
Power wiring
Electrical circuits
Fire extinguishing system
Server
CCTV
Access control system.

ADVANTAGES

1. Standard 10, 20, 40-feet ISO containers are used for the computing equipment placement. This is the most popular transport packaging, unified throughout the world. It can be operated in most climatic zones at temperatures from -30 to +30 degrees Celsius.

2. The maximum set of equipment, in case of a 10-foot BiXBiT ISO-container, occupies only 16 cubic meters of space, which, with a comparable equipment based on air cooling, will require four times more space.

3. The container can be transported and installed in a place with cheaper electric power for example, near a hydropower plant, nuclear power plant or a complex of solar panels. Also, you can always choose the country with the most loyal jurisdiction towards mining activities.

4. You get the opportunity for smart heat utilization in such spheres as woodworking, textile industries, greenhouses and so on.

5. The complex is also equipped with remote monitoring, remote control, fire fighting and protective automation systems, which prevent extraordinary circumstances and equipment from failing.

6. BiXBiT ISO-container can be equipped with outdoor of cooling towers with a total capacity of 200 kW.

7. The container body is made of a durable, corrosion-resistant and temperature gradient material with a lifespan of 15-20 years.

8. Additionally, mobile installations are equipped with a video observation and access control systems.

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