

BlockBox AC

MOBILE DATA CENTER
FOR BITCOIN MINING





Product Overview

BITFURY BLOCKBOX AC

The Bitfury BlockBox AC is a containerized data center for bitcoin mining. Capitalizing on its expertise in the field the Bitfury Group — a leading end-to-end blockchain solutions provider with offices in Netherlands, USA, UK, Hong Kong and Tokyo designed the Bitfury BlockBox AC to be a plug-and-play solution that substantially shortens the time required to start mining bitcoin on industrial scale.

Bitfury BlockBox AC includes 176 air-cooled mining servers that deliver a total hashrate of 8 PH/s. The solution has a form-factor of a standard 40 feet High Cube freight container for ease of transportation and installation. Installation is simple and straightforward on any site that has sufficient power and internet available.

The typical users of Bitfury BlockBox AC are: investment companies that use bitcoin mining to improve the corporate bottom line; industrial companies, that have access to large amounts of readily available electric energy; and any other businesses interested in using bitcoin mining as an additional source of income.

Key benefits

Bitfury BlockBox AC is one of the most powerful and cost effective bitcoin mining units available on the market. The key advantages of the solution are portability, quick-start installation, innovations, resilience, monitoring, and cutting-edge technology.



PORTABILITY

Bitfury BlockBox AC is a full-featured, self-contained solution for bitcoin mining, delivered in a 40' High Cube freight container.

The installation of Bitfury BlockBox AC requires footing preparation (metal legs, concrete block, or a concrete/asphalt platform), power supply, and internet connection.

Once installed, no further investments of time, capital, or expertise are required for the solution maintenance.



QUICK START

It takes two days to install Bitfury BlockBox AC on a properly prepared site.

Once installed, the solution connects to the mining pool, and immediately starts to generate income. The Bitfury BlockBox AC software establishes a connection to the Bitfury pool, one of the largest bitcoin mining pools.



INNOVATIONS

The solution is based on a modern hardware and software manufactured by The Bitfury Group, a developer of innovative technologies for bitcoin mining.

Bitfury BlockBox AC is based on modular architecture principles.

The basic configuration includes 176 Bitfury B8 servers. Each server houses six hashboards, each contains 96 specialized ASIC (Application Specific Integrated Circuit) bitcoin mining chips.

Multiple Bitfury BlockBox AC units can easily be deployed for building mining farms of any scale.



RESILIENCE

The Bitfury BlockBox AC solution is supported remotely by a team of trained professionals. The Bitfury Group engineers and service partners ensure the equipment operates at top capacity. All solution components – from servers and their elements to power supply units and coolers – are replaceable.

In case of malfunction, the service support team, using remote monitoring software, localizes the faulty elements and provides instructions for its replacement.



MONITORING

The Bitfury BlockBox AC owner monitors the equipment using built-in software or a mobile app, displaying key performance indicators.



CUTTING-EDGE TECHNOLOGY

The Bitfury BlockBox AC can always be kept at the cutting edge of modern technology. The solution, both software and hardware components, can be easily upgraded.

The modular architecture of the Bitfury BlockBox AC and its Bitfury B8 servers allows it to keep in place more than the half of components when upgrading hardware to keep up with technology advances and ASIC chips progress. This feature of the Bitfury BlockBox AC is unique on the bitcoin mining solutions market.

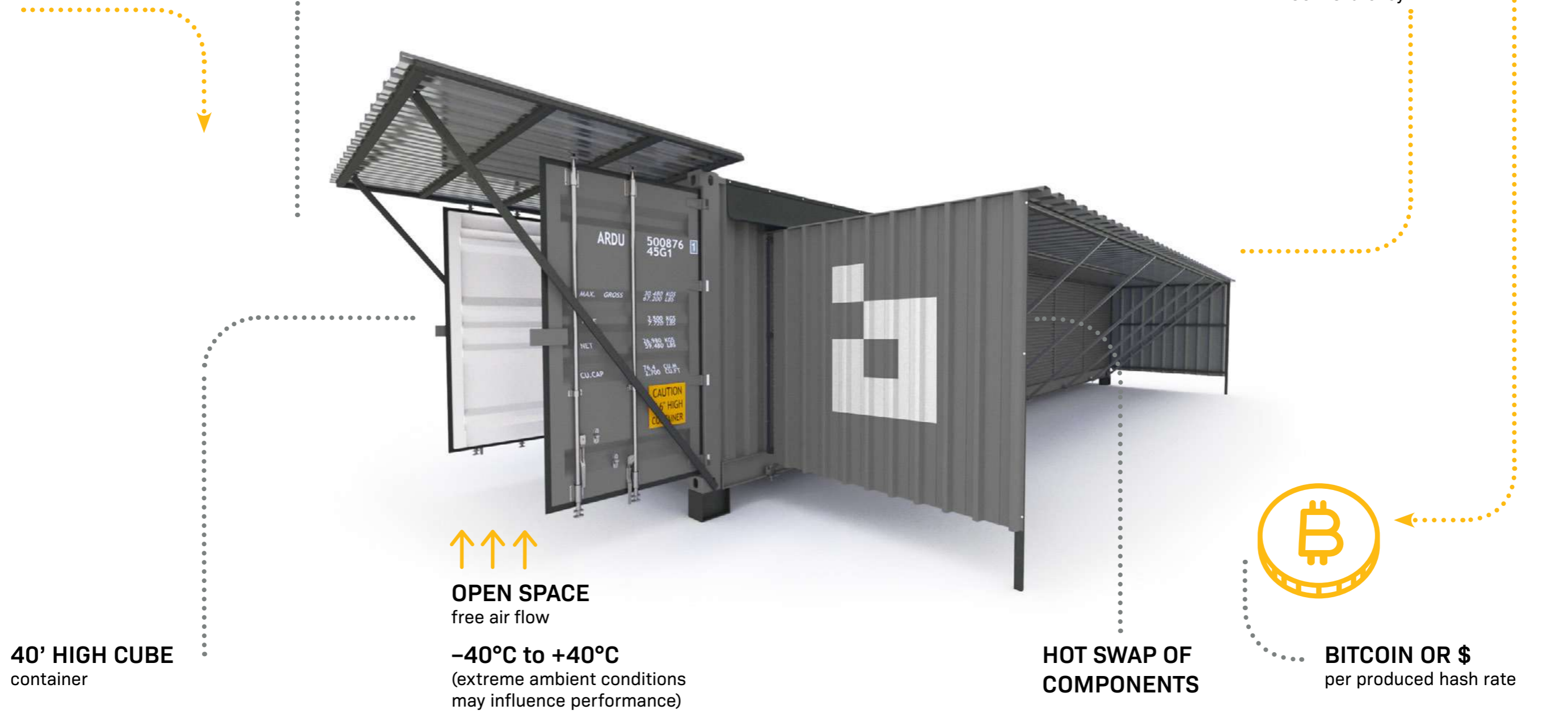
Bitfury BlockBox AC 8 PH/S

ELECTRICITY
1.2 MW

PERFORMANCE MONITORING
to the level of single component

**BITFURY
MINING POOL**


STABLE INTERNET
>2 Mb/s bandwidth
<50 ms latency



40' HIGH CUBE
container

↑↑↑
OPEN SPACE
free air flow
-40°C to +40°C
(extreme ambient conditions
may influence performance)

**HOT SWAP OF
COMPONENTS**


BITCOIN OR \$
per produced hash rate



Technical specifications



WEIGHT AND DIMENSIONS

Bitfury BlockBox AC is delivered in a 40' High Cube freight container.

Listed below are the basic solution features. The exact equipment dimensions, weight, and technical specifications are subject to change.



INSTALLATION

An electrician with an authorization for working with up to 400 V equipment can connect Bitfury BlockBox AC to a power supply.



OPERATION

Bitfury BlockBox AC requires a concrete or asphalt footing for the installation and an IT box for the connection to the mining pool.

Container dimensions in closed position (length x width x height)	40' × 8' × 9.6' (12.2 m × 2.5 m × 2.9 m)
Door opening	7' 8" × 8' 6" (2.4 m × 2.6 m)
Weight	26,455 lb (12 T) of equipped weight in basic configuration
Mining Performance	8 PH/s (±5%) in the basic configuration
Power supply	1.2 MW ±5% 1.5 MW transformer with two 700 A three-phase leads is recommended
Internet connection	Reliable Internet connection with at least 2 Mbps and maximum 50 ms latency to the www.bitfury.com
Installation	50 cm between the footing and the container underside
Backup power supply	Diesel generating set or a 40 kW commercial uninterrupted power supply unit
Backup Internet connection	1.5 Mbps
Ambient temperature range	-40 to 113°F (-40 to +40°C)

Purchase option

The following options for purchasing Bitfury BlockBox AC are available:



HOSTING

Hosting means acquisition of the Bitfury BlockBox AC ownership, installation at a Bitfury location, and maintenance by Bitfury engineers.

This is the perfect investor-friendly solution, being operated 24/7/365 by the professional Bitfury team, from securing location with low cost energy, to deploy and maintain it in any volume.



PROFIT SHARING

When sharing Bitfury BlockBox AC, the customer pays a lower equipment price and proportionally participates in the generated income. The profit sharing starts after initial investments have been recouped.



CUSTOMER LOCATION

Customers can propose their own locations for deployment of Bitfury BlockBox AC. Bitfury will help with requirements to a site and relevant recommendations to efficiently deploy and operate Bitfury BlockBox AC at other locations.



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