IBELINK

BM-S3
19 TH/s

Air-cooled ASIC miner · Blake2b-Sia



ALGORITHM
Blake2b-Sia

COOLING
Air (fans)

POWER
200–240 V · C19

RELEASED
March 2024

Product Manual

Setup, operation, maintenance and OneMiners hosting guide

Version 1.0
First edition, November 2026
Information checked 7 Nov 2026

Contains documentation published for iBeLink miners, summarised for customer reference.

About this manual

This manual covers the **iBeLink BM-S3**, rated at **19 TH/s** and **3,100 W** on the Blake2b-Sia algorithm. The BM-S3+ (25 TH/s) has its own manual.

iBeLink hasn't published a BM-S3 manual that we could access. Setup follows iBeLink's web-interface guide published for the BM-KS Max; confirm each step on your unit.

Each section that reproduces or summarises manufacturer content is marked with a **Source** tag. Values that sources disagree on, or that no source confirms, are marked **Needs verification** and listed in section 1.4. Chapters 8 to 12 cover the OneMiners platform, hosting, warranty and wallet, and are marked **OneMiners**.

Before you start

CHECK	POWER	ROOM	NETWORK
Label says BM-S3 19 TH/s.	**200–240 V · C19** About 15.5 A at 200 V.	**5–40 °C** Ventilated, away from people (75 dB).	**RJ45 + DHCP** A browser on the same network.

How notices are used

DANGER
Risk of electric shock, fire or injury. Do not continue until the condition is met.

CAUTION
Risk of damage to the miner, lost earnings or loss of data. Read before acting.

NOTE
Useful background, limits of a specification, or where to check further.

ONEMINERS
Applies to miners hosted in a OneMiners data center.

Copyright and disclaimer

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Specifications are typical values and may change without notice. Always confirm against the label on your unit and the latest manufacturer documentation. Information about profitability, hosting prices and platform features is for guidance only and is not financial advice. OneMiners' supplementary chapters may not be copied or redistributed without written permission.

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CHAPTER 01

Product Overview

The iBeLink BM-S3 is an air-cooled Blake2b-Sia miner released in March 2024. It uses a single C19 power input and front-to-back airflow.

COIN AND ALGORITHM

These miners run the **Blake2b-Sia** algorithm. Manufacturers and calculators list **Siacoin (SC)**. The OneMiners listing names **BTCB2** as the coin and also lists SC and MRR; which coin hosted units mine is **Needs verification**. Use a pool for the coin you intend to mine, and check the worker format on that pool.



Figure 1-1 iBeLink BM-S3 19 TH/s. Image: OneMiners product photo.

1.1 Key figures

19 TH/s	3,100 W	163 J/TH
Rated hashrate	Rated power	Efficiency

1.2 Specifications

ITEM	VALUE
PRODUCT	
Model	**iBeLink BM-S3**
Algorithm	**Blake2b-Sia**
Coins listed	**SC (calculators) · BTCB2, SC, MRR (OneMiners)**
Hashrate	**19 TH/s**
Power	**3,100 W**
Efficiency	**163 J/TH**
POWER	
Input voltage	**200–240 V AC** [1]

ITEM	VALUE
HARDWARE	
Network	**Ethernet**
Size (L×W×H)	**340 × 190 × 293 mm**
Weight	**14 kg**
Noise	**75 dB**
Fans	**2 (ASIC Miner Value)**
ENVIRONMENT	
Operating temperature	**5–40 °C**
Humidity	**5–95% RH (ASIC Miner Value)**

ITEM	VALUE
Current	**About 15.5 A at 200 V (calculated)**
Power inlet	**C19 (OneMiners listing)**

[1] From the OneMiners listing; ASIC Miner Value doesn't list a voltage.

SOURCE ASIC Miner Value, iBeLink BM-S3; OneMiners product page (checked 7 Nov 2026).

1.3 Hardware

Power	Single C19 inlet; power supply built in.
Front panel	Four LEDs that change from red to blue one at a time during normal start-up (as described for iBeLink's web-interface family).
Cooling	Fans, front-to-back airflow.

SOURCE OneMiners product page; iBeLink BM-KS Max user guide.

1.4 Values that need verification

These values conflict between sources or aren't confirmed by the manufacturer. Check the label on your unit, and ask OneMiners support before planning power or cooling around them.

ITEM	WHAT THE SOURCES SAY	USED IN THIS MANUAL
Coin mined when hosted	OneMiners lists BTCB2 (also SC, MRR); calculators list SC	**Needs verification**: ask OneMiners
Input voltage	200–240 V (OneMiners); not listed by ASIC Miner Value	200–240 V
Power cord rating	At 15.5 A at 200 V, an IEC C19 cord (16 A) is near or over its rating	Use a cord, PDU and circuit rated 20 A
Web interface details	iBeLink's guide was published for the BM-KS Max, by a distributor-run site	**Needs verification** on the BM-S3

CHAPTER 02

Safety and Installation Requirements

The BM-S3 draws 3.1 kW from one C19 input and produces loud, hot exhaust air. Plan the circuit and the room first.

2.1 Safety warnings

DANGER · ELECTRICAL

- Connect to an **earthed** outlet near the equipment and easy to reach.
- Use only 200–240 V AC.
- The BM-S3 draws about 15.5 A at 200 V. Use a C19 cord, PDU and circuit rated for at least 20 A.

CAUTION · EQUIPMENT

- Don't open the case or remove screws; unauthorised disassembly can void the warranty.
- Keep the miner away from water and condensing humidity.

2.2 Electrical requirements

Input	**200–240 V AC, single phase**
Typical load	**3,100 W**
Current	**About 15.5 A at 200 V (calculated)**
Power cord	**C19, rated for at least 20 A**

Use earthed circuits sized by a licensed electrician to local code. Don't use household extension leads or multi-plugs.

2.3 Climate and site

CONDITION	REQUIREMENT
Operating temperature	5–40 °C (iBeLink advises below 35 °C for best efficiency)
Humidity	5–95% RH, non-condensing
Noise	75 dB

- Keep intake and exhaust clear and don't let hot exhaust air flow back into the intake.
- At 75 dB, the BM-S3 isn't suitable for living or office spaces.
- Avoid dust, salt air and corrosive gases; clean more often in dusty sites.

SOURCE ASIC Miner Value; OneMiners product page; iBeLink BM-KS Max user guide (FAQ: ambient below 35 °C).

CHAPTER 03

Initial Setup

These steps take a new BM-S3 from the box to its management interface. If your miner is hosted by OneMiners, our team does this for you; skip to Chapter 8.

3.1 Unboxing and connecting

- Confirm the label shows **BM-S3**. Check the fans spin freely and keep the packing.

1. **Network**
   Connect an Ethernet cable. The miner uses DHCP by default.
2. **Power**
   Connect a 20 A-rated C19 cord and switch on the supply.
3. **Wait**
   Allow about one minute for start-up.

3.2 Finding the miner and logging in

1. Put your computer on the same network as the miner.
2. Open a browser and enter the miner's hostname (default `iBeLink`) or its IP address. You can also find the IP from the MAC address in your router's client list.
3. Log in. iBeLink's published guide gives the default password `admin` (**Needs verification** for the BM-S3). Change it after the first login.
4. Forgotten password: enter the MAC address and click **Retrieve Password**; the password resets to `iBeLink`, or is sent to the warning e-mail if one is set.

3.3 Fixed IP (optional)

The default is DHCP. To fix the address, enter IP, subnet mask and gateway, enable IP and click **Set IP Config**. A restart is needed.

> **ABOUT THESE STEPS**
> iBeLink's web-interface guide was published for the BM-KS Max and uses the same interface family. Menu names can differ on the BM-S3 series; confirm on your unit.

SOURCE iBeLink BM-KS Max user guide (ibelink.io, distributor-run site): web interface, login, network and pool settings.

04 CHAPTER Mining Configuration

The BM-S3 mines on the Blake2b-Sia algorithm. Enter a pool for the coin you intend to mine.

4.1 Setting up pools

1. Enter the **Pool URL**, **Pool User** and **Pool Password**, then click **Add pool**. Add backup pools the same way.
2. Use **Top** to set the highest-priority pool, **Stop** to disconnect one, and **Delete** to remove it.
3. Click **SaveConfiguration**. Unsaved settings are lost after a restart.

FIELD	WHAT TO ENTER
Pool / mining address	The pool's stratum address, in the format `stratum+tcp://host:port`. Copy it from your pool's "Connect" or "Getting started" page.
Worker / user	Your pool account or wallet address plus a worker name, usually `account.worker`, for example `account.bms3-01`.
Password	Optional. Most pools accept any value, such as `x`.

COIN AND POOL
These miners run the **Blake2b-Sia** algorithm. Manufacturers and calculators list **Siacoin (SC)**. The OneMiners listing names **BTCB2** as the coin and also lists SC and MRR; which coin hosted units mine is **Needs verification**. Use a pool for the coin you intend to mine, and check the worker format on that pool.

CAUTION
Use only pool addresses from the pool's official website, and always add at least one backup pool. A mistyped address mines for nobody.

ONEMINERS
Hosted miners are configured from the OneMiners platform rather than the miner's own dashboard. To change pools, use **Pool Settings** in your account (see 8.2).

SOURCE iBeLink BM-KS Max user guide: pool configuration.

05 CHAPTER Monitoring Performance

Judge performance by the average hashrate after the miner has run for some time.

5.1 What "normal" looks like

≈ 19 TH/s	≈ 3,100 W	< 1 %
Average hashrate	Wall power	Pool rejection rate

iBeLink tolerances weren't available; expect values close to the rated figures.

5.2 What to watch

VALUE	MEANING
Average hashrate	The most reliable measure of performance. The real-time figure moves with every share.
Board temperatures	Board temperatures should stay stable and below the 70 °C maximum alarm. Above the warning temperature, the miner lowers its frequency.
Fan speed	Every fan should report a speed. A stopped fan raises temperatures and stops mining.
Pool status	Active pool, accepted and rejected shares. Rejection below 1% is normal.

06 CHAPTER Firmware and Maintenance

Keep the firmware current and the airflow clean. Most problems on air-cooled miners trace back to dust, fans or room temperature.

6.1 Firmware updates

1. When you first receive the miner, compare its firmware with the latest version iBeLink publishes.
2. Download the update package and the **DevManager** tool from iBeLink's official download page. Check you are on iBeLink's own site before downloading.
3. In DevManager, select the device, choose the package and click **Update Selected Dev** (or **Update All Devs**).

6.2 Temperature alarms, restart and overclocking

- Set a temperature warning e-mail with an interval and limit. The maximum alarm temperature is 70 °C.
- If board temperature exceeds the warning temperature, the miner reduces frequency automatically to protect the chips.
- **Reboot** restarts the system; **Restart** restarts the mining software.
- Don't overclock or change the PLL frequency (preset maximum 680 MHz on the guide's model). Overclocking can permanently damage the chips and isn't covered.

SOURCE iBeLink BM-KS Max user guide: firmware, temperature and safety notes.

6.3 Preventive maintenance

WHEN	TASK
Daily / remotely	Check average hashrate, board temperatures, fan speeds and pool status.
Monthly	Check room temperature and humidity against 2.3. Look for dust on fan guards.
Every 1–3 months	Switch off and unplug, then clean fans and heat sinks with dry compressed air.
Regularly	Check power cords and plugs for heat marks. Check for new firmware.

Intervals are OneMiners recommendations. Clean more often in dusty sites.

07 CHAPTER Troubleshooting

Start with the symptom table. Hosted customers: don't attempt repairs yourself; contact OneMiners service.

SYMPTOM	CHECK
Miner doesn't power on	Check the supply is 200–240 V and the C19 cord is fully seated.
No network / IP not found	Check the cable and DHCP. Try the hostname `iBeLink`, or find the MAC address in your router's client list.
Pool won't connect	Re-check the pool address and port, the worker name, gateway and DNS. Make sure the pool port isn't blocked by a firewall.
Low or unstable hashrate	Compare the average hashrate with 5.1. Check board temperatures, fans and dust. Update the firmware.
Overheating	Check the room is within 5–40 °C, fans are running and intake and exhaust are clear. Clean, then restart.

SYMPTOM	CHECK
Smell, unusual sound or smoke	Switch off immediately and contact service.

SOURCE Based on iBeLink documentation cited in Chapters 2–6.

ONEMINERS

For a hosted miner, send the symptom and your miner's service ID to **service@oneminers.com** or WhatsApp **+1 305 867 6143**. Repairs under warranty are handled on site by our repair team.

CHAPTER 08

OneMiners Platform Guide

Miners hosted by OneMiners are monitored and managed from your account at app.oneminers.com or the OneMiners mobile app. Screens in this chapter are from OneMiners platform v1.2 and show example values from other miners, not an BM-S3.

8.1 Miner details

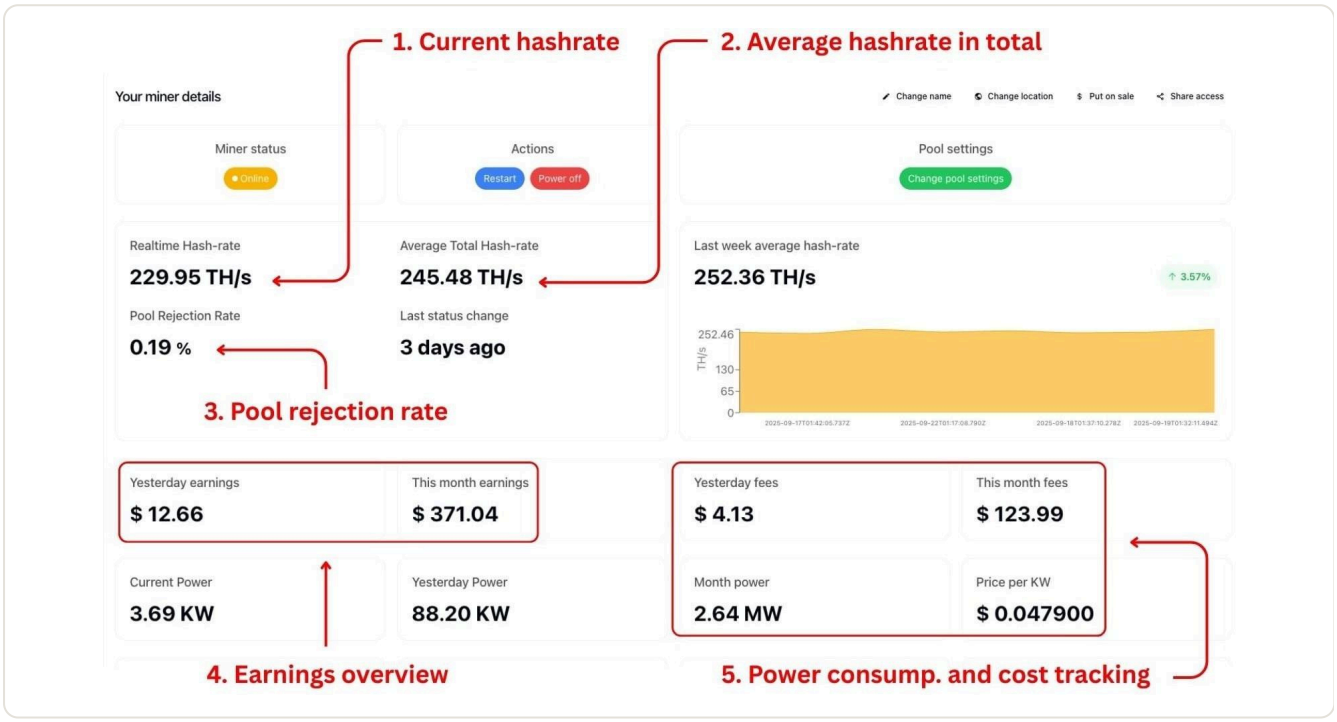


Figure 8-1 Miner details on OneMiners platform v1.2 (example values).

1 · Current hashrate	Real-time hashrate (for the BM-S3, in TH/s). It moves with network stability, hardware and pool communication.
2 · Average hashrate	Average over a longer period (typically 24 h). The most reliable measure of performance; for the BM-S3, expect an average close to 19 TH/s.
3 · Pool rejection rate	Share of submitted shares the pool rejected. Below 1% is healthy.
4 · Earnings overview	Estimated earnings for the selected period, based on accepted shares.
5 · Power and cost	Real-time and historical energy use (kW) and its cost at your configured price per kWh.

8.2 Pool settings

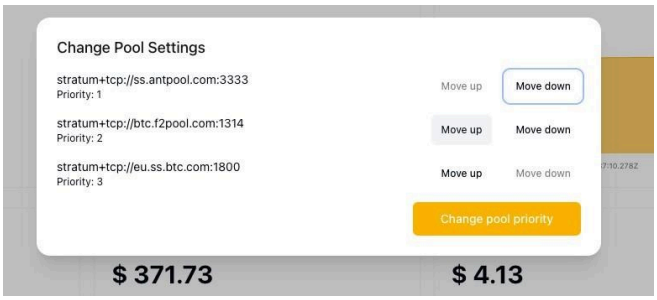


Figure 8-2 Change Pool Settings.

- Up to three pools can be connected.
- Pools are listed in priority order. If the first is unavailable, the miner switches to the second, then the third.
- Use **Move up** / **Move down** to set the order, then **Change pool priority** to apply it.

8.3 Earnings and fees



Figure 8-3 Earnings, fees, power and price per kWh (example values).

- **Earnings:** daily, monthly and cumulative mining rewards in USD or your selected currency.
- **Fees:** pool and platform fees deducted from earnings, shown daily and monthly.
- **Net result:** earnings minus fees, which is your net mining income.

8.4 Hardware status

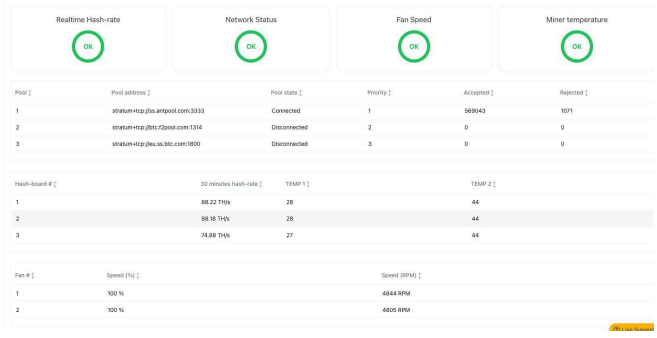


Figure 8-4 Hardware status (example from an air-cooled miner).

- **Network status:** whether the miner is connected to its pools. Address disconnections immediately.
- **Miner temperature** and **hashboard table:** per-board hashrate and temperatures. Useful for spotting an underperforming board early.

> **AIR-COOLED UNITS**
> Fan speed is shown per fan (2 fans on the BM-S3). A slow or stopped fan raises temperatures and stops mining, so act on fan alerts quickly.

ONEMINERS OneMiners platform v1.2. Confirm layout against the current version of your account.

CHAPTER 09

OneMiners Hosting and Warranty

OneMiners hosts customer-owned miners in its data centers, providing power, cooling, racking and monitoring. Terms below reflect OneMiners' published pages as checked on 7 November 2026.

9.1 Hosting

- Hosting is offered across 17 data centers worldwide, **from 3.6¢ per kWh** at the time of writing.
- Locations include Nigeria, Ethiopia, Dubai, the USA (Texas, Houston, Georgia, South Carolina, Kansas and a no-service-fee option), Finland, Norway, Canada, Brazil, Czechia, China and Paraguay.
- Hosted orders are deployed turnkey; OneMiners racks, connects and monitors the miner.
- Air-cooled miners like the BM-S3 are accepted at most sites. Ask sales which locations currently host the BM-S3, and which coin hosted units mine.

Current prices and locations: oneminers.com/pages/hosting-centers.

9.2 Warranty

HOSTED WITH ONEMINERS

7-year full warranty for miners hosted in the USA, Dubai, Norway, Finland, Ethiopia, Nigeria and China.

- Free on-site repairs
- No-cost replacement of power supplies and cables
- No labour or diagnostic fees

SHIPPED TO YOU

Standard 12-month warranty, unless the manufacturer specifies otherwise.

- Free repair of manufacturing defects
- Replacement of defective units when necessary
- Valid only when the miner is operated according to official instructions

All customers during warranty

Remote diagnostics, real-time monitoring, 24/7 technical support, and firmware upgrades and maintenance.

Exclusions

The warranty may be voided by damage from misuse, unauthorised modifications or non-compliant operation. For the BM-S3, this includes damage from running outside 5–40 °C or 200–240 V, undersized power cords, blocked airflow, overclocking or PLL changes, unofficial firmware, or opening the unit.

Out of warranty

Repairs typically cost **US$80–220**, depending on the fault and parts required.

Making a claim

Contact OneMiners support with your miner's hosting details and service ID through oneminers.com/pages/contact or **service@oneminers.com**.

ONEMINERS OneMiners Warranty Policy, oneminers.com/pages/warranty-policy . The policy page prevails if it differs from this summary.

10 CHAPTER Wallet and Mining Rewards

Rewards from a hosted miner are credited to your OneMiners wallet, where you can withdraw them or exchange between currencies.

10.1 Automatic mining balance

- The miner starts generating rewards as soon as it is installed and activated.
- If no energy payment has been preloaded, mining continues and energy costs and fees are deducted automatically from the rewards.
- If funds are preloaded in advance, earnings are credited without automatic deductions.
- You can change your payout wallet address in the wallet settings.

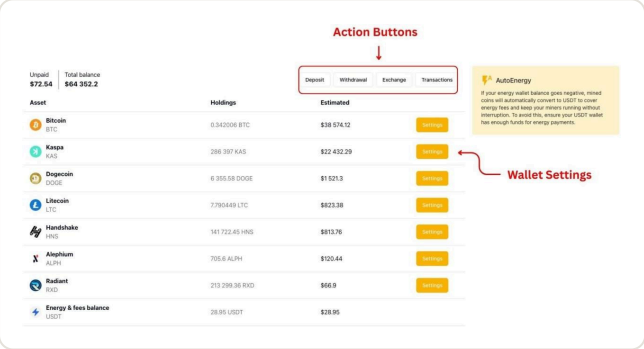


Figure 10-1 Wallet section.

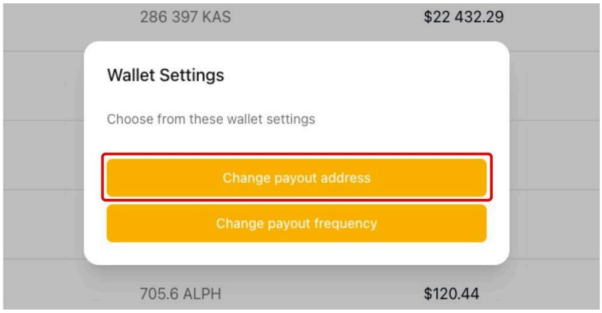


Figure 10-2 Changing the payout address.

10.2 Withdrawals

1. Go to **Wallet** › **Withdrawal**.
2. Add a crypto wallet address or a bank account.
3. Select the currency, enter the amount and confirm.

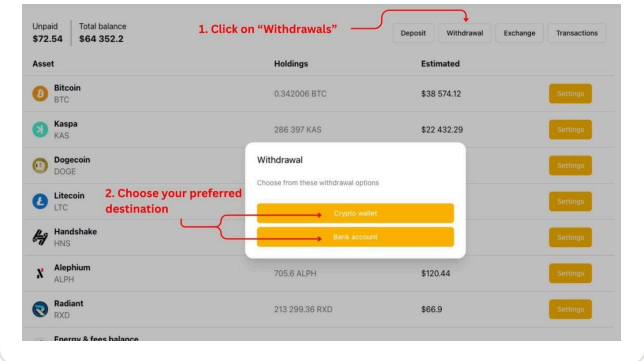


Figure 10-3 Choosing a withdrawal destination.

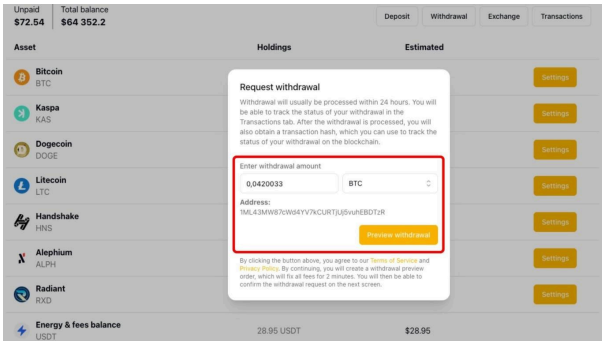


Figure 10-4 Choosing currency and amount.

10.3 Exchange

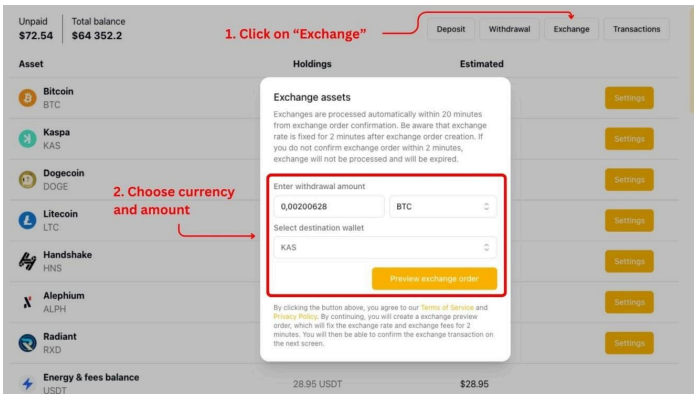


Figure 10-5 Exchanging currencies.

1. Go to **Wallet** › **Exchange**.
2. Select the currencies to exchange. You can also convert directly into **Energy & Fees** funds to keep the miner running.
3. Enter the amount and confirm.

> **BEFORE YOU WITHDRAW**
> Double-check addresses and networks. Crypto transfers to a wrong address usually can't be reversed. Keep enough Energy & Fees balance to avoid deductions from your rewards.

ONEMINERS OneMiners platform v1.2.

CHAPTER 11

Additional OneMiners Features

Optional tools in your OneMiners account. Availability and settings can change; check your dashboard for what is active on your account.

11.1 AI Smart Mining

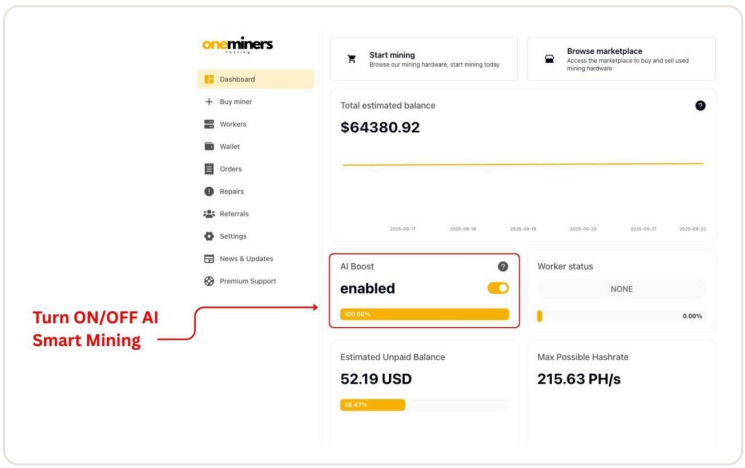


Figure 11-1 AI Boost toggle on the dashboard (platform v1.2).

AI Smart Mining analyses market conditions and pool performance and can switch your miner to the pools it calculates are most profitable.

- Turn it on or off with the **AI Boost** toggle on your dashboard.
- Your hardware keeps mining to your own account and wallet.

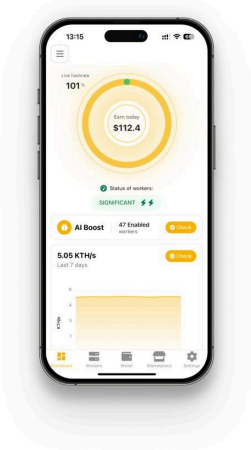
Results depend on hardware and market conditions and aren't guaranteed. More information: oneminers.com/pages/ai-smart-mining.

11.2 OneMiners mobile app

Monitor and manage your miners from your phone: start and stop miners, view hashrate, power use and hardware status, and manage balances and withdrawals. The app is built on the CircleHash white-label hosting platform and is free.

App Store

Google Play



11.3 Profitability tools

Mining income from the BM-S3 depends on the price of the coin mined, network difficulty and your electricity cost, all of which change daily. For current estimates, use the live tools rather than figures printed in a manual:

- Miner profitability table: oneminers.com/pages/miner-profitability

For the BM-S3, use 19 TH/s and 3,100 W with your own price per kWh. Estimates aren't financial advice.

CHAPTER 12

Official Resources and Support

12.1 Resources

IBELINK (DISTRIBUTOR)
Web interface guide
ibelink.io/pages/bm-ks-max-user-guide

ASIC MINER VALUE
BM-S3 family data
www.asicminervalue.com/miners/ibelink/bm-s3

ONEMINERS
Manuals & Firmware Library
oneminers.com/pages/manuals-and-firmware

ONEMINERS
Product page
oneminers.com/products/ibelink-bm-s3-19-th-s

ONEMINERS
Warranty policy
oneminers.com/pages/warranty-policy

ONEMINERS
Hosting locations
oneminers.com/pages/hosting-centers

12.2 Contact OneMiners

SUPPORT, 24/7

+1 305 867 6143

WhatsApp

+1 607 9009 004 · Sales, USA

service@oneminers.com · Service and repairs
sales@oneminers.com · Sales
payinquire@oneminers.com · Payments

Telegram: t.me/oneminers_hosting

ADDRESS

CIRCLEHASH LLC
701 Tillery Street
Austin, Texas 78702, USA

Contact page

Manuals library

12.3 Sources used for this version

1. ASIC Miner Value, iBeLink BM-S3: release, hashrate, power, efficiency, algorithm, environment, size, weight, noise, fans.
2. OneMiners product page, iBeLink BM-S3 19 TH/s: voltage, plug, coin list, warranty and hosting.
3. iBeLink BM-KS Max user guide (ibelink.io, distributor-run): web login, network, pools, DevManager firmware updates, temperature alarm, safety.
4. OneMiners: product page, Warranty Policy, hosting pages, AI Smart Mining page, Media Kit, site contact details. All checked 7 November 2026.

12.4 Revision history

VERSION	DATE	CHANGES
V1.0	Nov 2026	First edition. Specifications with conflicts listed in 1.4, coin and algorithm notice, power-cord current warning, iBeLink web-interface setup and pools, firmware and safety. Current warranty, hosting and contact details.