MICROBT · WHATSMINER

WhatsMiner M66S++ 356 TH/s

Immersion-cooled Bitcoin miner · SHA-256



COIN · ALGORITHM
Bitcoin · SHA-256

COOLING
Immersion (insulating fluid)

POWER
380–480 V AC

RELEASED
2024

Product Manual

Setup, operation, maintenance and OneMiners hosting guide

Version 1.0
First edition, November 2026
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Contains manufacturer documentation © MicroBT, summarised for customer reference.

About this manual

This manual covers the **MicroBT WhatsMiner M66S++**, an immersion-cooled miner. MicroBT rates it at **314–356 TH/s** and **15.5 J/TH**.

Some OneMiners listings describe the M66S++ as air-cooled. That is wrong: it has no fans and must run submerged in an immersion tank.

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	COOLING	NETWORK
Label says M66S++	**380–480 V AC**	**Fluid inlet 25–55 °C**	**RJ45 + DHCP**
Check the version on the label.	Three-phase supply.	Insulating fluid, tank circulation.	A Windows PC for IP Reporter.

How notices are used

DANGER
Risk of electric shock, fire, burst pipes 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

© OneMiners, 2026. This manual combines documentation published by the manufacturer, MicroBT (Shenzhen MicroBT Electronics Technology Co., Ltd.), and other cited sources with supplementary material written by OneMiners (platform, hosting, warranty and wallet chapters). Manufacturer content remains the property of its owner and is reproduced or summarised here for the convenience of OneMiners customers. OneMiners claims no ownership of it. All product names and trademarks belong to their respective owners.

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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01 CHAPTER Product Overview

The WhatsMiner M66S++ is an immersion-cooled SHA-256 miner from MicroBT. It has no fans and runs fully submerged in insulating fluid.



Figure 1-1 WhatsMiner M66S++ 356 TH/s. Image: OneMiners product photo.

1.1 Key figures

356 TH/s	5,518 W	15.5 J/TH
Typical hashrate	Power on wall	Efficiency

1.2 Specifications

ITEM	VALUE
PRODUCT	
Model / version	**WhatsMiner M66S++**
Algorithm / coins	**SHA-256 · BTC / BCH / BSV**
Hashrate	**314–356 TH/s (MicroBT) · 356 TH/s bin**
Power on wall	**about 4,870–5,520 W (calculated) · 5,518 W bin**
Efficiency	**15.5 J/TH**
POWER	
Input	**380–480 V AC**
Power cable	**Custom cable, ≥ 16 A (MicroBT)**

ITEM	VALUE
HARDWARE	
Network	**RJ45 Ethernet 10/100M**
Size (L×W×H)	**267.5 × 147 × 401 mm (with handle)**
Weight	**18 kg / 19 kg**
Noise	**Fanless**
COOLING AND ENVIRONMENT	
Fluid inlet	**25–55 °C normal · 25–45 °C high mode**
Fluid flow	**≥ 24 L/min**
Storage	**−40 to 70 °C**
Storage humidity	**5–95% RH**

SOURCE MicroBT, WhatsMiner M6X series miner manual (as published by Zeus Mining): hashrate ranges, efficiency, power, input, cable, size, weight, environment, cooling.

OneMiners bins (listing values)

VERSION	HASHRATE	POWER ON WALL	EFFICIENCY
356 TH/s (OneMiners)	356 TH/s	5,518 W	15.5 J/TH

1.3 Hardware

Cooling	Liquid loop through internal cold plates. No fans.
Power	Three-phase input.
Control panel	ETH port · **IP Report** button · **Reset** button · status LEDs.

SOURCE Manufacturer specification; standard layout.

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
Cooling and supply	OneMiners listings say "Air Cooled"; some say 110–240 V or 220–240 V with a C13 plug	Immersion, 380–480 V, custom cable (MicroBT)

02 CHAPTER Safety and Installation Requirements

The M66S++ runs submerged in an insulating fluid inside an immersion tank. Tank, fluid and electrical work must be done by qualified personnel.

2.1 Safety warnings

DANGER · ELECTRICAL

- The M66S++ runs on **380–480 V AC**. Connection must be made by a licensed electrician, with earthing, surge protection and a disconnect that breaks all phases.
- Use only an **insulating (dielectric) fluid**. Water or conductive liquids in the tank cause short circuits and fire.

CAUTION · EQUIPMENT

- The M66S++ has no fans and must only run fully submerged in circulating fluid.
- Use the original power cable. Lift the miner by its handle.

2.2 Electrical requirements

Supply	**380–480 V AC**
Power cable	**Custom cable, ≥ 16 A (MicroBT)**
Typical load	**about 4,870–5,520 W (calculated)**
Protection	**Earthing, surge protection, disconnect breaking all phases**

2.3 Immersion fluid requirements

Fluid inlet temperature	**25–55 °C normal · 25–45 °C high mode**
Fluid	**Insulating liquid (MicroBT lists S5X / S3X)**
Fluid flow	**≥ 24 L/min (±10%)**
Server cooling	**No fans; fully submerged**

SOURCE MicroBT, WhatsMiner M6X series miner manual (as published by Zeus Mining): hashrate ranges, efficiency, power, input, cable, size, weight, environment, cooling.

2.4 Installing in the tank

1. **Prepare**
   Fill the tank, start circulation and bring the fluid inlet into the specified range.
2. **Lower**
   Lower the miner slowly by its handle into its slot so trapped air can escape.
3. **Connect**
   Connect the original power cable and the network cable as the tank design requires.
4. **Start**
   Power on and watch the fluid outlet temperature as the load rises.

> **TANK DESIGN**
> Tank layout, fluid volume and connectors depend on the immersion tank. Follow the tank maker's instructions together with MicroBT's Immersion Cooling Operation Guide.

SOURCE MicroBT, WhatsMiner Immersion Cooling Miner Operation Guide (support.whatsminer.com, article 486) covers the M56, M66 and M36 series; installation steps here are OneMiners general immersion practice.

03 CHAPTER Initial Setup

These steps take a tank-installed M66S++ to its web interface. If your miner is hosted by OneMiners, our team does this for you; skip to Chapter 8.

3.1 Unboxing and inspection

- Check the carton for damage and confirm the label shows **M66S++**.
- Inspect the housing, handle, power socket and cable glands for damage.
- Keep the packing for transport and warranty returns.

3.2 Finding the miner's IP address (WhatsMinerTool)

1. The miner gets its IP address by **DHCP** by default. Put your PC on the same network segment.
2. In **WhatsMinerTool**, open the **IP Monitor** tab, enter room, rack, layer and position numbers, then click **Start**.
3. About 30 seconds after power-on, press the **IPFOUND** button on the miner for more than 5 seconds. The IP address appears in the tool.

> **NOT FOUND?**
> Hold the **reset** button for more than 5 seconds to restore factory defaults, power off and on, wait 30 seconds, then press IPFOUND again.

3.3 Logging in

1. Enter the IP address in a web browser on the same network.
2. Log in with the default account for your firmware. **Needs verification**: MicroBT's hydro guide doesn't state the defaults. Many WhatsMiner releases use `admin` / `admin`.
3. Change the password after the first login.

3.4 Network and time settings (optional)

1. Static IP: **Configuration** › **Interfaces** › **Edit**, choose **Static address**, click **Switch protocol**, enter IP, mask, gateway, broadcast and DNS, then save and log in again at the new address.
2. Time: the miner ships with four public NTP servers. MicroBT recommends a local NTP server; edit it under **System** › **System Configuration**.

SOURCE MicroBT, WhatsMiner Hydro Cooling Operation Guide V1.5: Network Setup.

CHAPTER 04

Mining Configuration

The M66S++ mines SHA-256 coins, mainly Bitcoin (BTC). Configure pools in the web interface or in bulk with WhatsMinerTool.

4.1 Setting up pools

1. Log in and open `Configuration` › `BTMiner Configuration`.
2. Enter the pool address and worker name for up to three pools, then click **Save & Apply**.
3. Restart BTMiner (`Status` › `BTMinerStatus`, **Restart BTMiner**) or reboot the control board (`System` › `Reboot`).

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 `myaccount.m66spp01`.
Password	Optional. Most pools accept any value, such as `x`.

COIN AND POOL
The miner mines SHA-256; this manual assumes Bitcoin (BTC). WhatsMinerTool can also apply pool settings to many miners at once.

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 MicroBT, WhatsMiner Hydro Cooling Operation Guide V1.5: Pool and Worker Configuration.

05 CHAPTER Monitoring Performance

For an immersion miner, fluid temperatures and flow matter as much as the hashrate. Watch both.

5.1 What to watch

VALUE	MEANING
Average hashrate	The most reliable measure of performance. Compare it with 5.2.
Inlet / outlet temperature	Fluid inlet must stay within 25–55 °C normal · 25–45 °C high mode.
Hashboard status	Each board should report and hash. A missing board points to a hardware or connection fault.
Pool status	Active pool, accepted and rejected shares. Rejection below 1% is normal.

5.2 What "normal" looks like

314–356 TH/s	**25–55** °C	**< 1** %
MicroBT rated range (±10%)	Fluid inlet	Pool rejection rate

MicroBT tolerances: hashrate ±10%, efficiency ±5%.

TEMPERATURE PROTECTION
If inlet temperature, flow or outlet temperature leave their limits, the miner protects itself and hashrate drops or stops. Fix the cooling problem before restarting.

06 CHAPTER Firmware and Maintenance

Keep the firmware current and the insulating fluid clean and dry.

6.1 Firmware

USE THE RIGHT FILE
Only install firmware MicroBT publishes for the **WhatsMiner M66S++**. Keep the miner powered during the upgrade.

6.2 Fluid and tank maintenance

WHEN	TASK
Daily	Fluid inlet and outlet temperatures, flow, tank level, hashrate.
Monthly	Check filters and pumps; inspect cables and glands for wear.
Every 6 months	Test the fluid (moisture, particles) per the fluid supplier; replace filters.
Yearly	Full fluid analysis; clean the heat exchanger.

Intervals are OneMiners recommendations; follow your fluid supplier where it is stricter.

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 380–480 V AC and the breaker is on. Check the original power cable is fully seated.
IP not found	Check the cable and DHCP. Press IPFOUND for more than 5 s while IP Monitor is running. If needed, reset (hold reset > 5 s), power-cycle and try again.
Pool won't connect	Re-check the pool address, port and worker name, DNS and gateway, and that the NTP time is correct.
Low hashrate or protection	Check inlet temperature (25–55 °C), flow and pressure. Check tank pumps, filters and the heat exchanger.
Fluid contamination	Check the insulating fluid for water and particles; filter or replace it before restarting.
Low fluid level	Power off and top up the tank before restarting. The miner must stay fully submerged.

SOURCE Based on MicroBT's WhatsMiner Hydro Cooling Operation Guide V1.5. MicroBT's full error-code list is in WhatsMinerTool and on support.whatsminer.com.

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.

08 CHAPTER 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 M66S++.

8.1 Miner details

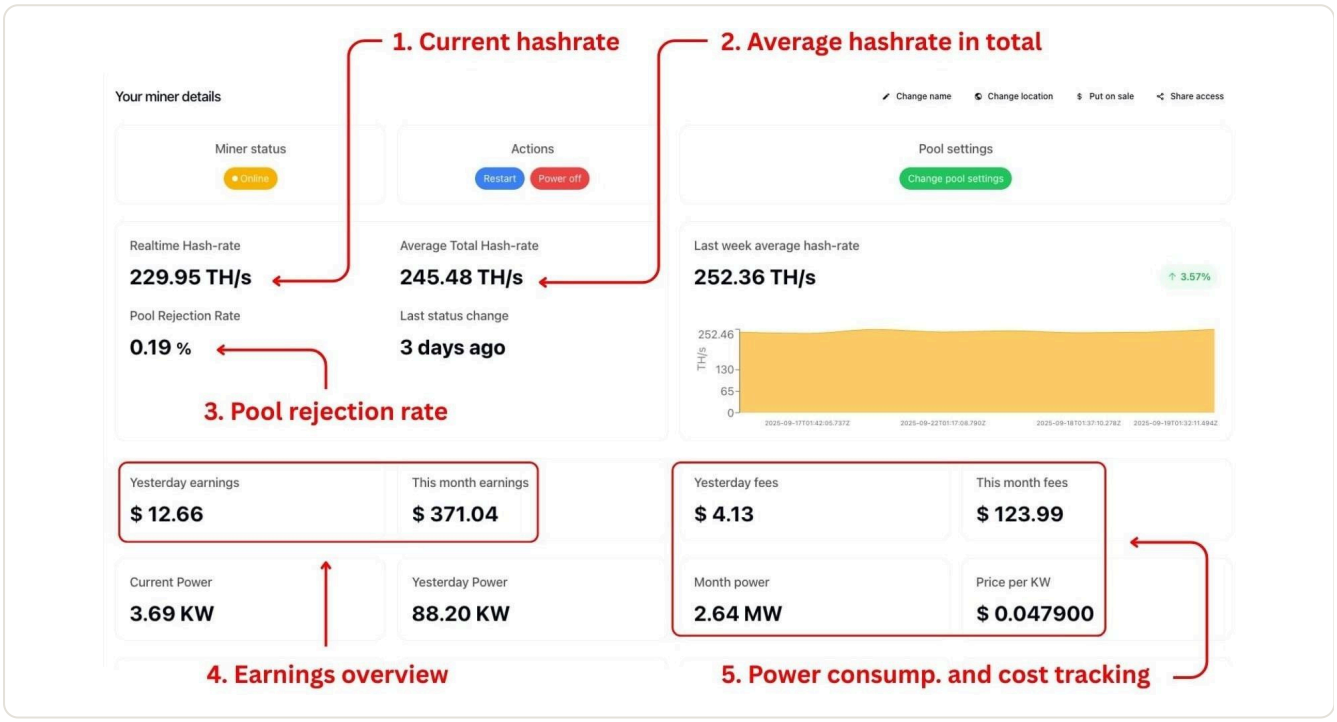


Figure 8-1 Miner details on OneMiners platform v1.2 (example values).

1 · Current hashrate	Real-time hashrate (for the M66S++, 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 M66S++, expect about 345–367 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

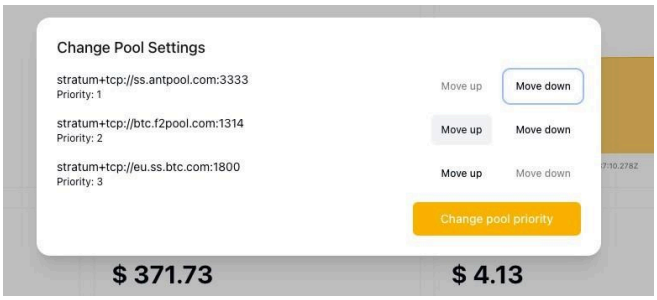


Figure 8-2 Change Pool Settings.

- 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

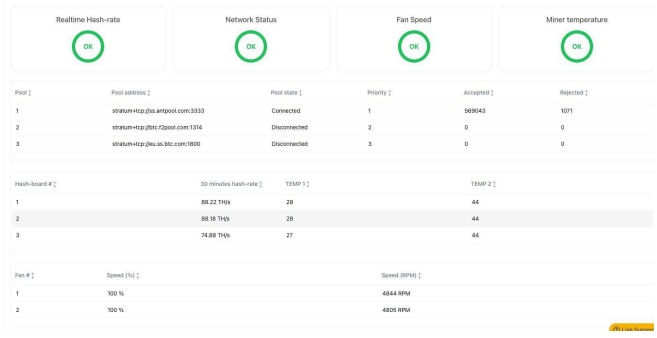


Figure 8-4 Hardware status (example from an air-cooled miner).

- **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.

> **HYDRO UNITS**
> The M66S++ is liquid-cooled. Fan readings, if any are shown, don't describe its cooling. Watch board and coolant temperatures and the cooling alerts instead.

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.
- Hydro-cooled units need sites with a liquid-cooling loop. Ask sales which locations currently accept the M66S++.

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 M66S++, this includes damage from incorrect voltage, non-insulating or contaminated fluid, running out of fluid, 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.

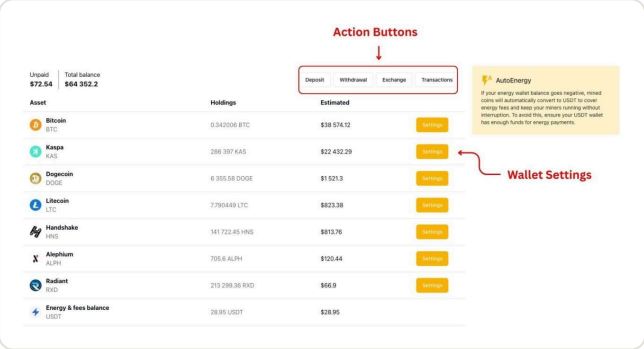


Figure 10-1 Wallet section.

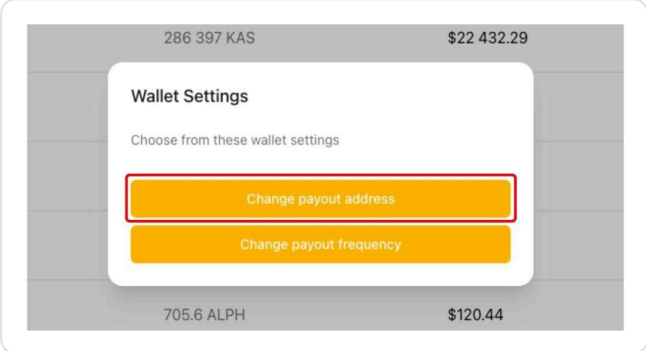


Figure 10-2 Changing the payout address.

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.

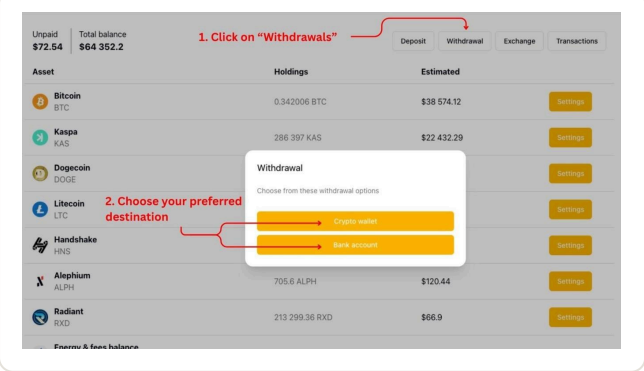


Figure 10-3 Choosing a withdrawal destination.

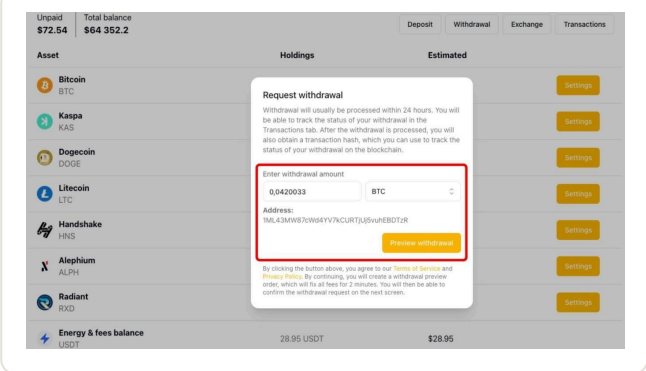
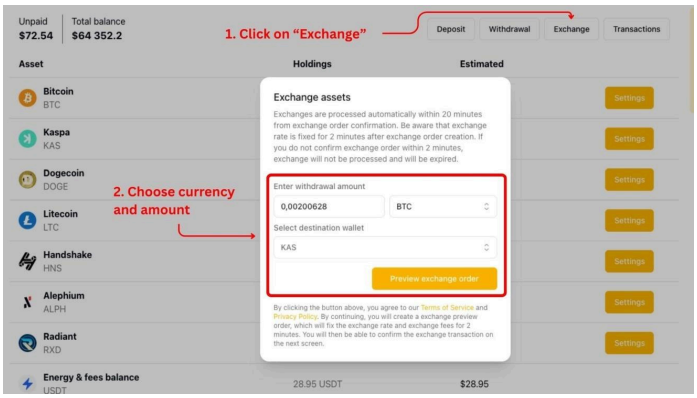


Figure 10-4 Choosing currency and amount.

10.3 Exchange



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.

Figure 10-5 Exchanging currencies.

> **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

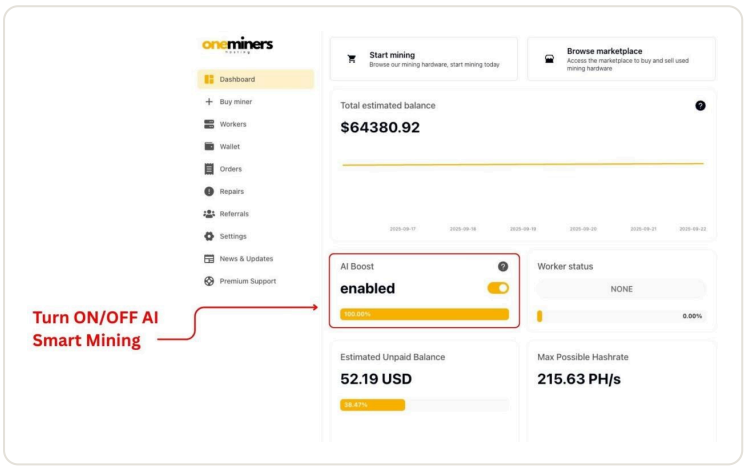


Figure 11-1 AI Boost toggle on the dashboard (platform v1.2).

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.

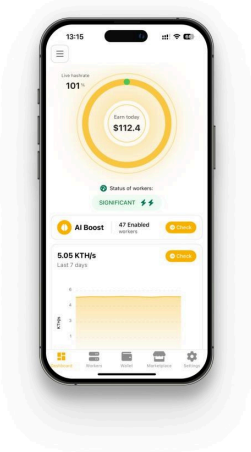
Results depend on hardware and market conditions and aren't guaranteed. More information: oneminers.com/pages/ai-smart-mining.

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 M66S++ depends on the BTC price, network difficulty, transaction fees 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
- Bitcoin miners collection: oneminers.com/collections/bitcoin-miners

For the M66S++, use 356 TH/s and 5,518 W with your own price per kWh. Estimates aren't financial advice.

12 CHAPTER Official Resources and Support

12.1 Resources

MICROBT
WhatsMiner support
support.whatsminer.com

MICROBT
Product manuals
www.whatsminer.com/src/views/product_manual.html

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

ONEMINERS
Product page
oneminers.com/products/whatsminer-m66s-356-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. MicroBT, WhatsMiner M6X series miner manual (as published by Zeus Mining): hashrate ranges, efficiency, power, input, cable, size, weight, environment, cooling.
2. OneMiners product page (M66S++ 356 TH/s).
3. MicroBT, WhatsMiner Immersion Cooling Miner Operation Guide (support.whatsminer.com, article 486): models covered.
4. MicroBT, WhatsMiner Hydro Cooling Operation Guide V1.5: WhatsMinerTool, network and pool configuration, coolant rules.
5. 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 on the OneMiners media-kit template: manufacturer specifications with conflicts listed in 1.4, safety, installation, setup, pools, monitoring, firmware, maintenance and troubleshooting. Current warranty, hosting and contact details.