BITMAIN · ANTMINER

Antminer S21 XP+ Hyd 500 TH/s

Hydro-cooled Bitcoin server · SHA-256 · Sub 500T



COIN · ALGORITHM
Bitcoin · SHA-256

COOLING
Hydro · OD10 mm

POWER
3-phase 380–415 V · 12 A

SIZE
339 × 173 × 207 mm

Product Manual

Setup, operation, maintenance and OneMiners hosting guide

Version 1.2
Updated November 2026
Information checked 7 Nov 2026

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About this manual

This manual covers the **Bitmain Antminer S21 XP+ Hyd.**, Sub 500T version 10, rated at **500 TH/s** and **5,500 W** (11 J/TH).

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 S21 XP+ Hyd.	**3-phase 380–415 V**	**8–10 L/min · 20–50 °C**	**RJ45 + DHCP**
Sub 500T, version 10.	12 A maximum.	≤ 3.5 bar, OD10 connectors.	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

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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 S21 XP+ Hyd. is the most efficient hydro server of Bitmain's S21 generation, at 11 J/TH, released in 2025.



Figure 1-1 Antminer S21 XP+ Hyd 500 TH/s. Image: OneMiners product photo.

1.1 Key figures

500 TH/s	5,500 W	11.0 J/TH
Typical hashrate (±3%)	Power on wall @35 °C (±5%)	Efficiency @35 °C (±5%)

1.2 Specifications

ITEM	VALUE
PRODUCT	
Model / version	**S21 XP+ Hyd. · Sub 500T · version 10**
Algorithm / coins	**SHA-256 · BTC / BCH / BSV**
Hashrate	**500 TH/s (±3%)**
Power on wall @35 °C	**5,500 W (±5%)**
Efficiency @35 °C	**11.0 J/TH (±5%)**
POWER	
Phase	**3**
Input voltage	**380–415 V AC**
Input frequency	**50–60 Hz**
Max input current	**12 A**

ITEM	VALUE
HARDWARE	
Network	**RJ45 Ethernet 10/100M**
Size, unpacked (L×W×H)	**339 × 173 × 207 mm**
Size, packed	**570 × 316 × 430 mm**
Net / gross weight	**14.8 kg / 16.7 kg**
COOLING AND ENVIRONMENT	
Inlet coolant	**20–50 °C**
Coolant flow	**8.0–10.0 L/min**
Coolant pressure	**≤ 3.5 bar**
Coolant connector	**OD10 mm**
Storage (no coolant)	**−20 to 70 °C**
Operating humidity	**10–90% RH, non-condensing**

Wrong input voltage may damage the server. Hashrate varies ±3%, power and efficiency ±5%.

SOURCE Bitmain, S21 XP+ Hyd. Product Manual v1.0.0 (Jan 2025).

1.3 Hardware

Form factor	Compact server for Bitmain ANTSPACE racks and containers, 339 × 173 × 207 mm.
Cooling	Liquid loop through internal cold plates, OD10 mm connectors. No fans.
Power	Three-phase input, 380–415 V, 12 A maximum.
Control panel	ETH port · **IP Report** button · **Reset** button · status LEDs.

SOURCE Bitmain specification; Bitmain hydro user guides.

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
Weight	Bitmain 14.8 kg · ASIC Miner Value 13.8 kg	14.8 kg (Bitmain)
Altitude	Not listed in Bitmain's manual	**Needs verification**

02 CHAPTER Safety and Installation Requirements

A hydro-cooled server combines three-phase power and pressurised liquid in the same rack. Installation must be planned and carried out by qualified electrical and cooling personnel. Read this whole chapter before connecting anything.

2.1 Safety warnings

DANGER · ELECTRICAL

- Connect the equipment to an **earthed** supply with a socket or isolator near the equipment and easy to reach.
- Fit an external **surge protection device** complying with IEC/EN 61643-11.
- The external supply must have a **disconnecting device** that breaks L1, L2 and L3 at the same time.
- **Never plug in or unplug** the power connector while the supply is live. Wrong input voltage may damage the server.

CAUTION · EQUIPMENT

- Don't remove any screws or cables attached to the product, and don't open the hashboard housing.
- The S21 XP+ Hyd is designed for Bitmain's ANTSPACE water-cooling series or an equivalent engineered cooling loop.
- Restart the server manually if the hashrate becomes abnormal.

SOURCE Bitmain hydro server user guides (S23 Hyd., S21e XP Hyd.): Overview cautions.

2.2 Electrical requirements

Supply	**3-phase, 380–415 V AC, 50–60 Hz**
Max input current	**12 A**
Typical load	**5,500 W per server (±5%)**
Protection	**Earthing, IEC/EN 61643-11 surge protection, 3-pole disconnect**

Size breakers, cables and distribution for the number of servers per rack according to local electrical code. This must be done by a licensed electrician.

2.3 Coolant requirements

Inlet coolant temperature	**20–50 °C**
Coolant flow	**8.0–10.0 L/min**
Coolant pressure	**≤ 3.5 bar**
Working coolant	**Antifreeze, pure water or deionized water**
pH	**Antifreeze 7.0–9.0 · pure water 6.5–7.5 · deionized 8.5–9.5**
Connector	**OD10 mm**

Glycol concentration vs. freezing point

GLYCOL MASS %	VOLUME %	FREEZING POINT
0	0	0 °C
20	18.1	−7.8 °C
30	27.7	−14.1 °C
40	37.5	−22.3 °C
50	47.6	−33.8 °C
60	57.8	−48.3 °C

- **pH is the main check.** Don't use coolant with a pH below 7 (antifreeze) and keep within the ranges above.
- Secondary checks: freezing point, glycol ratio and total hardness. Rising aluminium, iron or copper content means corrosion has started.
- Add corrosion inhibitor regularly, following the coolant supplier's instructions.

> **DANGER · FREEZING**
> Mix coolant for the **lowest possible temperature** at the site. Frozen coolant can crack the cold plates and internal pipes. Use deionized or pure water only where the temperature always stays above 0 °C; a power cut below freezing will burst the pipes.

SOURCE Bitmain, S21 XP+ Hyd. specification. Glycol freezing points from Bitmain's hydro user guides.

2.4 Cooling-system maintenance

COOLANT TYPE	CHECK	INTERVAL
All coolants	Full test and record of coolant condition	At least once a year
All coolants	pH value	Every 6 months
Deionized / pure water	pH and conductivity	Every 1–2 weeks
Deionized / pure water	Replace the coolant	Every 1–2 months, or when limits are exceeded

SOURCE Bitmain S23 Hyd. user guide, chapter 2. Coolant maintenance for ANTSPACE systems: ANTSPACE HK3 Product Manual, chapter 9.

2.5 Site environment

Distance from pollution sources

Heavy (smelters, coal mines)	**> 5 km**
Moderate (chemical, rubber, electroplating)	**> 3.7 km**
Light (food, leather processing)	**> 2 km**
Seaside or salt lake	**> 3.7 km**

SOURCE Bitmain hydro server user guides: Environmental Requirements.

Dust and electromagnetic limits

- Suspended dust ≤ 0.2 mg/m³, sand ≤ 30 mg/m³. No explosive, conductive or corrosive dust.
- No AC transformers > 10 kA within 20 m, no high-voltage lines within 50 m, no radio transmitters > 1,500 W within 100 m.

2.6 Rack installation

Install the S21 XP+ Hyd with its water and electrical interfaces facing the service aisle. Bitmain designs these servers for its ANTSPACE containers and racks (for example the HW5 and HK3).

LOADING	POWER-ON	POWER-OFF	UNLOADING
Water first	**Fill · wait 20 s**	**Power · wait 20 s**	**Power first**
Then power, then network. Work from the top shelf down.	Confirm flow and water temperature meet spec, then power on.	Confirm the server is off, then disconnect water.	Then water, then network. Work from the bottom shelf up.

Loading

1. **Water**
   Close the rack position's inlet and outlet valves. Connect the pipes to the miner's **inlet** and **outlet** connectors as marked on the unit, push them fully home, then open the valves and check for leaks.
2. **Power**
   Insert the power connector until it locks fully.
3. **Network**
   Connect the network cable. In a farm, each cable should carry a location code.

Unloading

1. **Power**
   Switch off the miner's breaker and wait 20 seconds.
2. **Water**
   Close the valves fully, disconnect the pipes slowly over a drip tray and cap the miner's connectors. Check the power and network connectors are dry before unplugging them.
3. **Network**
   Unplug the network cable and remove the miner. For transport, drain all coolant, blow the miner dry and pack it in its original carton.

PRECAUTIONS

- If water splashes or sprays from the server, **don't power it on**. Contact after-sales service.
- When shelving in batches, load from the top down so residual water can't drip onto lower miners.
- Unplug during thunderstorms or long periods out of use. If the server gives off strange smells, sounds or smoke, disconnect power immediately.

SOURCE Bitmain S23 Hyd. user guide: Installation and Rack Management. Procedure shown for Bitmain hydro servers; connector layout on your chassis may differ.

03 CHAPTER Initial Setup

These steps take a new or newly racked S21 XP+ Hyd from the box to its web dashboard.
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 crush damage or signs of liquid before opening it.
- Confirm the label shows **S21 XP+ Hyd.**.
- Inspect the housing, water connectors and power socket for dents, cracks or bent parts. Make sure the connectors are capped and clean.
- Keep the carton and packing for transport and warranty returns.

3.2 Connecting cooling, power and network

1. **Cooling**
   Connect the pipes and open the valves (2.6). Check the loop delivers **8.0–10.0 L/min** at **20–50 °C**, ≤ 3.5 bar.
2. **Network**
   Connect an Ethernet cable to the **ETH** port. The miner gets its address by DHCP by default.
3. **Power**
   Wait 20 seconds after filling, then connect the 3-phase supply and switch on.

3.3 Finding the miner's IP address

1. Download `IPReporter.zip` from shop.bitmain.com/support/download (Tools section) or the OneMiners Manuals & Firmware Library. It runs on Windows only.
2. Extract it, right-click `IPReporter.exe` and choose **Run as administrator**.
3. Choose **Shelf, Step, Position** to mark locations in a farm, or **Default** for a single server. Click **Start**.
4. On the control panel, press and hold **IP Report** until the miner beeps (about 5 seconds). The IP address appears on your computer.

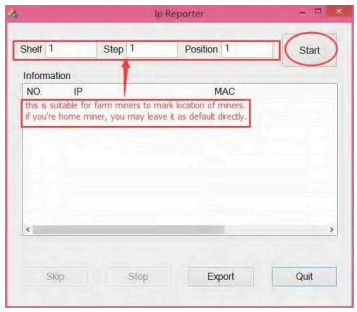


Figure 3-1 IP Reporter. © Bitmain.

3.4 Logging in to the dashboard

1. Enter the IP address in a web browser on the same network.
2. Log in with username `root` and password `root`.
3. Change the password straight away (6.3).

Dashboard menu map

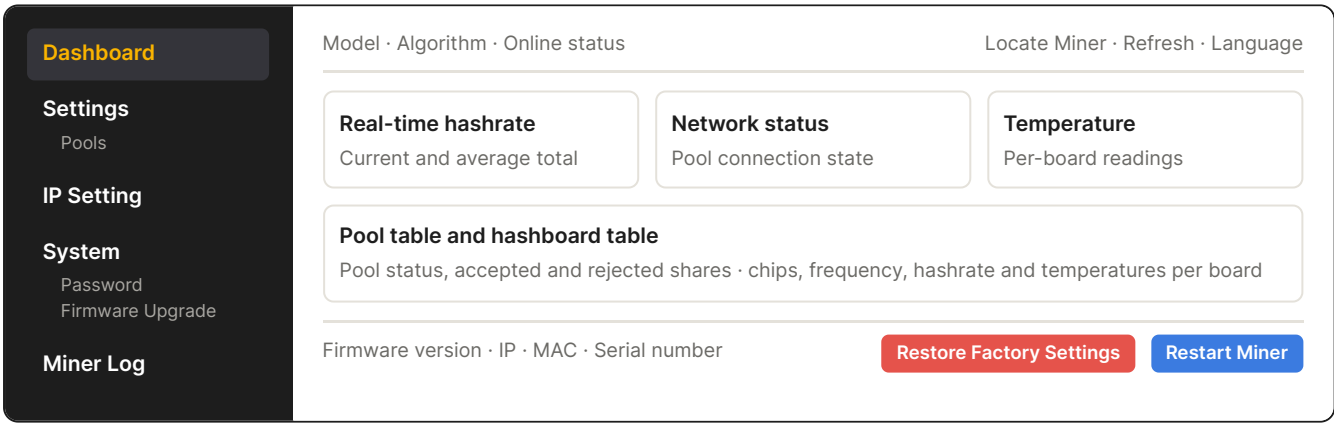


Illustration of the Antminer web interface layout, not a screenshot. Labels can differ between models and firmware releases.

3.5 Network settings (optional static IP)

1. Open `IP Setting` and set **Protocol** to **Static**.
2. Enter the IP address, subnet mask, gateway and DNS server.
3. Click **Save** and reconnect using the new address.

SOURCE Bitmain hydro server user guides (S23 Hyd., S21e XP Hyd.): Setting up the Server.

04 CHAPTER Mining Configuration

The S21 XP+ Hyd mines SHA-256 coins: Bitcoin (BTC), Bitcoin Cash (BCH) and Bitcoin SV (BSV). It holds three pools in priority order and switches automatically if the active pool goes offline.

4.1 Setting up pools

1. Open **Settings** › **Pools**.
2. Fill in up to three pools using the table below.
3. Click **Save**. The miner applies the settings and connects to Pool 1.

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.s21xpphyd01`.
Password	Optional. Most pools accept any value, such as `x`.

COIN AND POOL
Pool 1 is used first. Pool 2 is used only if Pool 1 is offline, and Pool 3 only if both are offline. The miner mines SHA-256 coins; this manual assumes Bitcoin (BTC).

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.

4.2 Checking that mining has started

- On the **Dashboard**, Pool 1 should show a normal connection status, with accepted shares increasing.
- Judge performance by the **average** hashrate after the miner has run for some time (Chapter 5).
- Your worker should appear on the pool's website within a few minutes.

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 Bitmain hydro server user guides: Configuring the Server.

05 CHAPTER Monitoring Performance

Check the dashboard regularly. For a water-cooled miner, the coolant temperatures matter as much as the hashrate.

5.1 Dashboard values

VALUE	MEANING
Number of chips	Chips detected on each hashboard. A lower count than normal points to a hashboard fault.
Frequency	ASIC frequency set by the firmware.
Real hashrate	Real-time hashrate of each hashboard.
Inlet / outlet temp	Temperatures at the inlet and outlet side (°C).
Chip state	Green icon = normal · red icon = abnormal.
Pool rejection rate	Below 1% is normal. Higher rates suggest latency or configuration problems.

5.2 What "normal" looks like

485–515 TH/s	**5,225–5,775** W	**20–50** °C
Average hashrate (±3%)	Wall power (±5%)	Inlet coolant temperature

Ranges calculated from the rated values with Bitmain's usual tolerances (hashrate ±3%, power ±5%).

5.3 Indicator lights and protection

STATUS	RED LED	GREEN LED
Normal operation	Off	On
Over temperature	On	Off
Network disconnected	On	Off
Factory reset succeeded	Flashes every 15 s	—

AUTOMATIC SHUTDOWN
The firmware stops mining when board or coolant temperatures leave their limits. Keep the inlet within 20–50 °C and flow within 8–10 L/min. Fix the cooling problem before restarting (Chapter 7).

SOURCE Bitmain S23 Hyd. user guide: Monitoring your Server. LED behaviour shown for Bitmain hydro servers; confirm on your unit.

06 CHAPTER Firmware and Maintenance

Keep the firmware current and the cooling loop healthy. Most hydro faults trace back to coolant condition or connections, not electronics.

6.1 Checking the firmware version

The firmware version (build date) is shown at the bottom of the dashboard.

6.2 Upgrading firmware safely

DANGER · KEEP POWER ON
Keep the server powered throughout the upgrade. If power fails before the upgrade completes, the server may need to go back to Bitmain for repair.

USE THE RIGHT FILE
Only install firmware Bitmain publishes for the **S21 XP+ Hyd. (Sub 500T)**, from shop.bitmain.com/support/download or the OneMiners Manuals & Firmware Library. Check the model name in the release notes. Firmware for other variants can damage the miner.

1. Open `System` › `Firmware Upgrade`.
2. Leave **Keep settings** selected to keep your configuration.
3. Choose the upgrade file and click **Update**. Restart the server when it finishes.

6.3 Changing the password

Open `System` › `Password`, enter the current password and the new password twice, then click **Save**.

6.4 Restoring factory settings

1. Turn the server on and let it run for 5 minutes.
2. On the control panel, press and hold **Reset** for 10 seconds.
3. The server reboots with default settings; pools, password and network settings are cleared.

SOURCE Bitmain hydro server user guides: Administering your Server.

6.5 Preventive maintenance

WHEN	TASK
Daily / remotely	Check average hashrate, rejection rate, chip states and inlet/outlet temperatures.
Every 1–2 weeks	Pure or deionized water loops: test pH and conductivity. Look for drips at connectors.

WHEN	TASK
Every 6 months	All loops: test coolant pH and top up corrosion inhibitor.
Every year	Full coolant test and record (freezing point, glycol ratio, hardness, metals).
Before winter	Confirm the antifreeze concentration suits the site's lowest temperature.

07 CHAPTER Troubleshooting

Start with the symptom table, then check the Miner Log. Hosted customers: don't attempt repairs yourself; contact OneMiners service.

7.1 Common problems

SYMPTOM	CHECK
Miner doesn't power on	Check the supply is 3-phase 380–415 V and the breaker and disconnect are closed. Check the power connector is fully seated.
No network / IP not found	Check the cable, switch port and DHCP. Hold **IP Report** for about 5 s while IP Reporter is running.
Pool won't connect	Re-check the stratum address and port, the worker name, DNS and gateway. Make sure the pool port isn't blocked.
Low or unstable hashrate	Compare the **average** hashrate with 5.2. Check each board's chip count, the inlet coolant temperature and flow. Update the firmware.
Overheating / shutdown	Confirm inlet coolant is within 20–50 °C and flow meets 8.0–10.0 L/min, with valves fully open. Look for air in the loop or a blocked filter.
Coolant leak	Switch off power first, then close the valves. Don't power on a server that has been sprayed or splashed.
Smell, unusual sound or smoke	Disconnect power immediately and contact service.

7.2 Common Antminer error codes

CODE	REASON	SUGGESTED ACTION
HASHRATE AND HASHBOARDS		
`R:1`	Average total hashrate is low	Update firmware, check the power supply, or return for repair
`R1:1 R2:1 R4:1`	A chain is broken or has low hashrate	Check the chain connection, update firmware, or return for repair

CODE	REASON	SUGGESTED ACTION
J:8	Fewer hashboards than designed	Check hashboard connections or replace the hashboard
J1:2 J2:2 J4:2	A chain has fewer chips than designed	Update firmware, replace the hashboard, or return for repair
POWER, TEMPERATURE AND NETWORK		
V:1	Power initialisation or output voltage error	Check wiring, update firmware, replace the power supply, or return for repair
P:1	High-temperature protection	Check coolant temperature and flow (or airflow) and the room temperature
P:2	Low-temperature protection	Check the room and coolant temperature
N:4	Network connection lost	Check the network cable, switch and DHCP

SOURCE Codes as published in Bitmain's S23 Hyd. user guide. Bitmain hasn't published a separate code table for the S21 XP+ Hyd; codes on your firmware may differ.

ONEMINERS
For a hosted miner, send the error code or 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 S21 XP+ Hyd.

8.1 Miner details

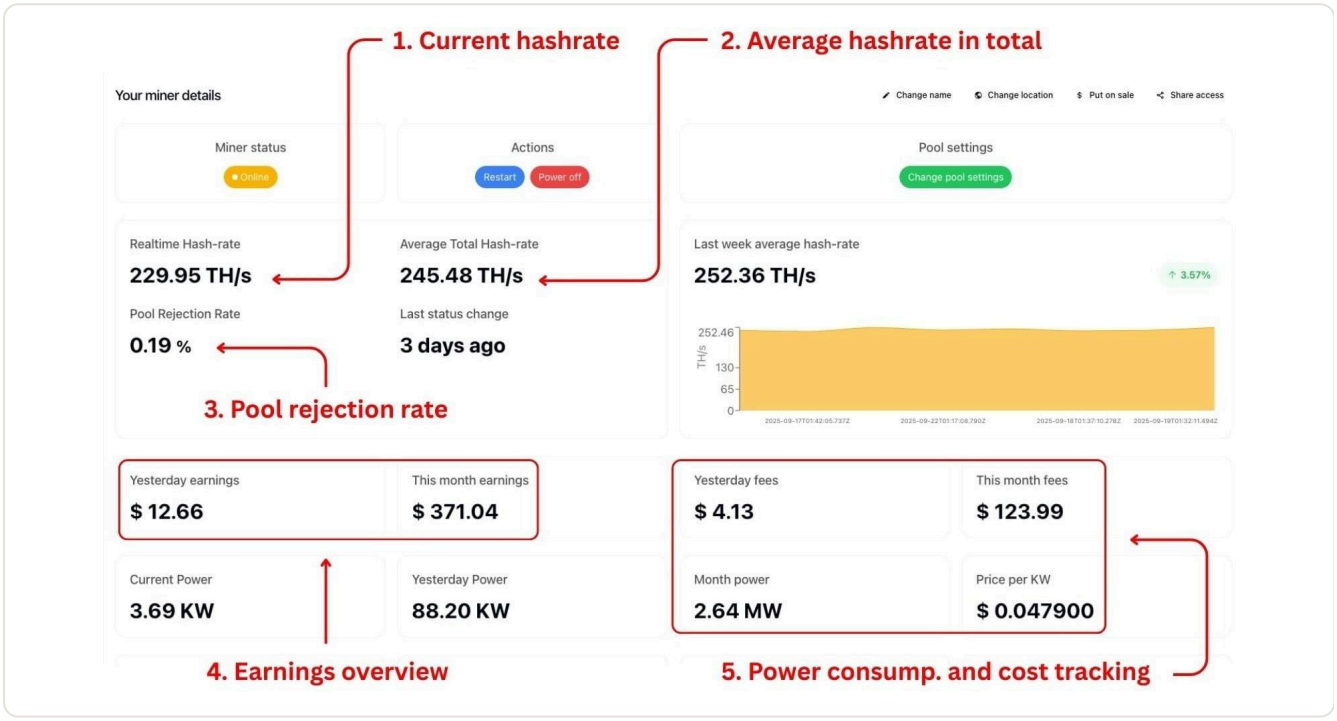


Figure 8-1 Miner details on OneMiners platform v1.2 (example values).

1 · Current hashrate	Real-time hashrate (for the S21 XP+ Hyd, 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 S21 XP+ Hyd, expect 485–515 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

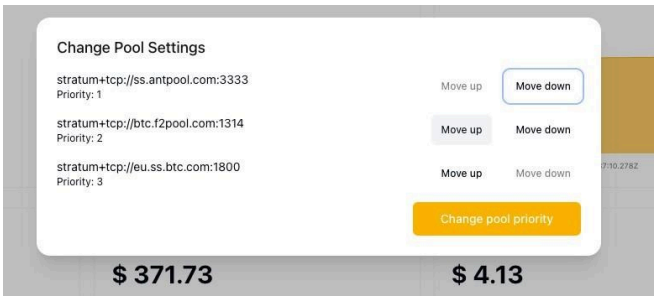


Figure 8-2 Change Pool Settings.

- 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

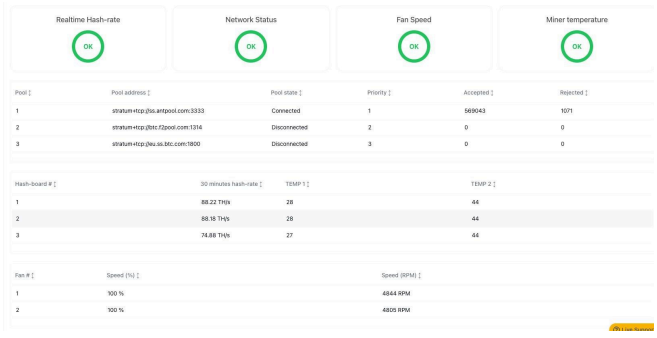


Figure 8-4 Hardware status (example from an air-cooled miner).

- **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 S21 XP+ Hyd 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 S21 XP+ Hyd.

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 S21 XP+ Hyd, this includes damage from incorrect voltage, frozen or non-compliant coolant, coolant outside 20–50 °C or 8–10 L/min, loose connectors, 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.

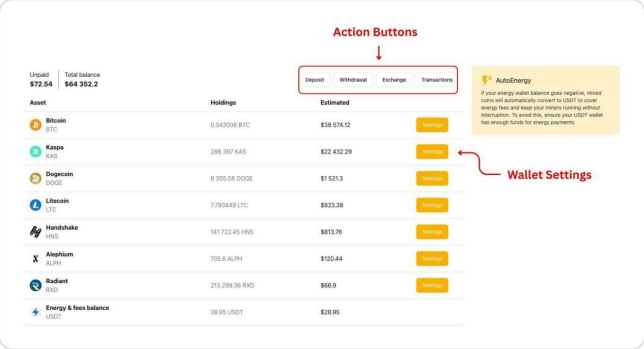


Figure 10-1 Wallet section.

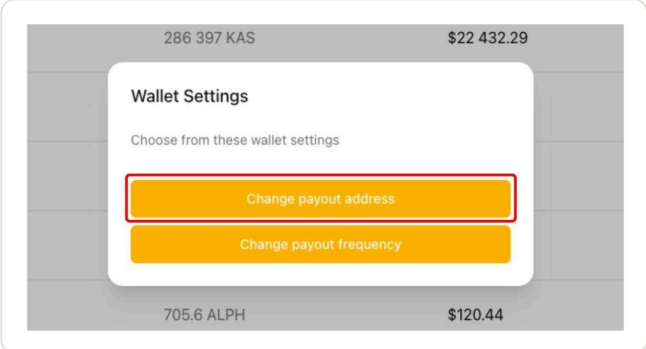


Figure 10-2 Changing the payout address.

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.

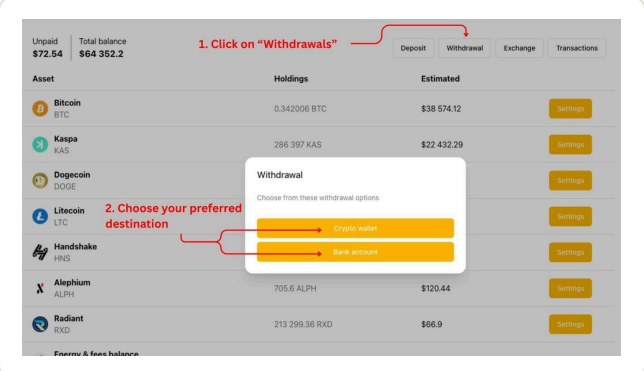


Figure 10-3 Choosing a withdrawal destination.

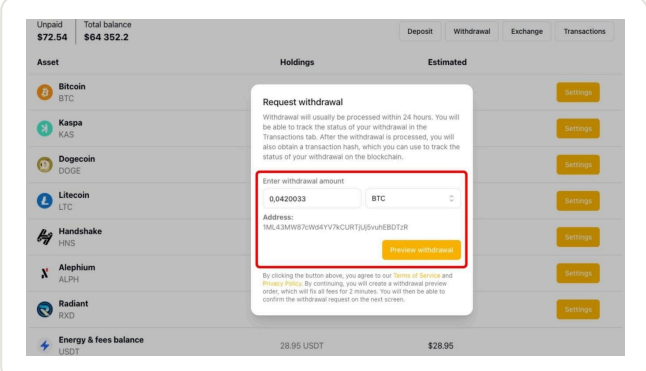
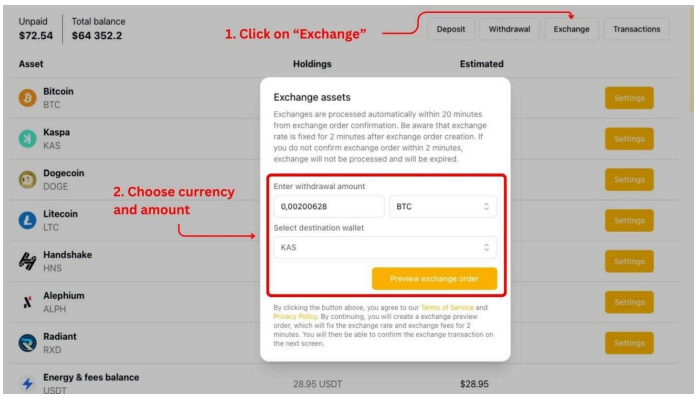


Figure 10-4 Choosing currency and amount.

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

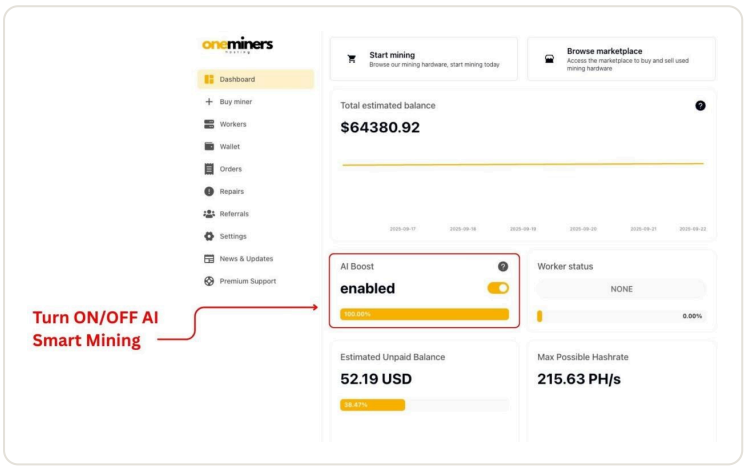


Figure 11-1 AI Boost toggle on the dashboard (platform v1.2).

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.

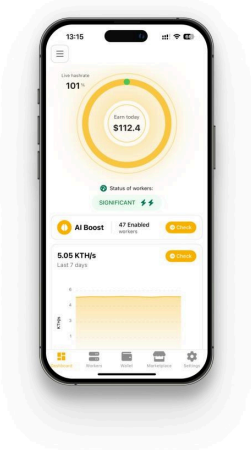
Results depend on hardware and market conditions and aren't guaranteed. More information: oneminers.com/pages/ai-smart-mining.

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 S21 XP+ Hyd 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 S21 XP+ Hyd, use 500 TH/s and 5,500 W with your own price per kWh. Estimates aren't financial advice.

12 CHAPTER Official Resources and Support

12.1 Resources

BITMAIN
Firmware and IP Reporter
shop.bitmain.com/support/download

BITMAIN
Support centre
support.bitmain.com

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

ONEMINERS
Bitcoin miners
oneminers.com/collections/bitcoin-miners

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. Bitmain, S21 XP+ Hyd. Product Manual v1.0.0 (Jan 2025, file12.bitmain.com): all values in 1.2.
2. ASIC Miner Value, Antminer S21 XP+ Hyd (500Th): release, weight.
3. Bitmain hydro server user guides (S21 Hyd., S23 Hyd.): safety, rack installation, IP Reporter, dashboard, pools, administration, LEDs and error codes.
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
V1.2	Nov 2026	Rewritten for the OneMiners media-kit template from Bitmain's product manual. Versions table, coolant requirements, rack installation, setup, pools, monitoring, firmware, maintenance and error codes. Current warranty, hosting and contact details.
V1.1	—	Version published on the OneMiners library. Not reviewed for this revision.