BITMAIN · ANTMINER

S19
95 TH/s

Air-cooled Bitcoin miner · Model 240-Ca



COIN · ALGORITHM
Bitcoin · SHA-256

COOLING
Air (4 fans)

POWER INPUT
200–240 V · 2 inputs

RATED EFFICIENCY
34.5 J/TH

Product Manual

Setup, operation, maintenance and OneMiners hosting guide

Version 1.3
Updated November 2026
Specifications verified 7 Nov 2026

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About this manual

This manual covers the **Bitmain Antminer S19, 95 TH/s, model 240-Ca** (3,250 W). Check the model on your unit's label before following it. Other 19-series miners, such as the S19 Pro, S19j Pro, S19k Pro and S19 XP, have different specifications and need their own documents.

Chapters 1 to 7 are based on Bitmain's S19 documentation. Each section that reproduces manufacturer content is marked with a **Source** tag. Chapters 8 to 11 cover the OneMiners platform, hosting, warranty and wallet, and are marked **OneMiners**.

Before you start

CHECK
S19 · 240-Ca
Confirm the model and 95 TH/s rating on the label.

POWER
200–240 V · 2 cords
Both inputs must be connected. Cords not included.

ROOM
0–40 °C · 10–90% RH
Clean, ventilated, away from people (75 dB).

NETWORK
RJ45 + DHCP
A Windows PC for IP Reporter.

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 published by the manufacturer 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 Antminer S19 is an air-cooled SHA-256 server from Bitmain's 19 series, first released in 2020. The APW12 power supply is part of the server. All S19 servers are tested and configured before shipping to make setup easy.



Figure 1-1 Antminer S19 95 TH/s. Image: OneMiners product photo.

1.1 Key figures

95 TH/s	3,250 W	34.5 J/TH	200–240 V
Hashrate ±3%	Power on wall @25 °C ±5%	Efficiency on wall ±5%	Two AC inputs, 10 A each

1.2 Specifications

ITEM	VALUE
PRODUCT	
Version / model no.	**S19 · 240-Ca**
Algorithm / coin	**SHA-256 · Bitcoin**
Hashrate	**95 TH/s (±3%)**
Power on wall @25 °C	**3,250 W (±5%)**
Efficiency @25 °C	**34.5 J/TH (±5%)**
POWER SUPPLY (APW12)	
AC input voltage	**200–240 V [1]**
AC input frequency	**47–63 Hz**
AC input current	**20 A [2] [3]**

ITEM	VALUE
HARDWARE	
Network	**RJ45 Ethernet 10/100M**
Size, unpacked (L×W×H)	**400 × 195.5 × 290 mm [4]**
Size, packed (L×W×H)	**570 × 316 × 430 mm**
Net / gross weight	**14.2 kg [5] / 16.0 kg**
ENVIRONMENT	
Operating temperature	**0–40 °C**
Storage temperature	**−20 to 70 °C**
Operating humidity	**10–90% RH, non-condensing**
Operating altitude	**≤ 2,000 m [6]**

[1] Wrong input voltage may damage the server. [2] Maximum condition: 40 °C, 0 m altitude. [3] Two AC input wires, 10 A per wire. [4] Including PSU. [5] Including PSU. [6] From 900 m to 2,000 m, the highest operating temperature falls by 1 °C for every 300 m.

SOURCE Bitmain, Antminer S19 user manual: Specifications.

SECURITY

To protect the S19 against malicious firmware, Bitmain has switched on **Secure Boot** and disabled **Root Authority**. If the product isn't used according to these instructions and specifications, or its settings are changed without Bitmain's consent, Bitmain isn't liable for resulting damage.

1.3 Components

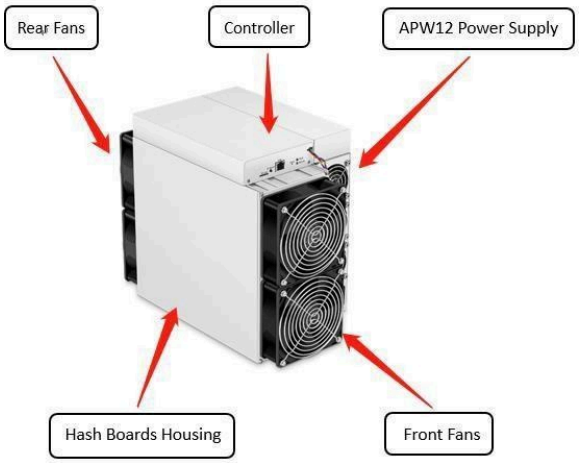

Figure 1-1 Main components: front and rear fans, hashboard housing, controller and APW12 power supply. © Bitmain.

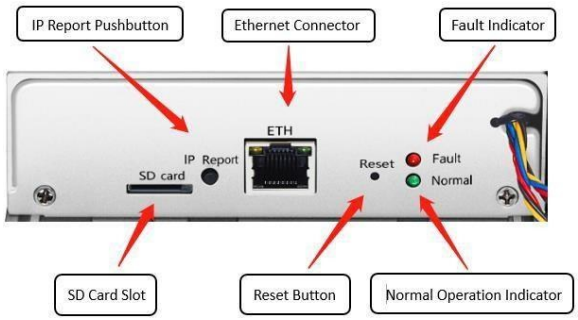

Figure 1-2 Controller front panel. © Bitmain.

ETH	RJ45 Ethernet connector, 10/100M
IP Report pushbutton	Sends the miner's IP address to IP Reporter
Reset button	Restores initial settings (see 6.4)
Normal / **Fault** indicators	Green = normal operation · red = fault
SD card slot	SD card slot

1.4 APW12 power supply



Figure 1-3 Back view with the two power supply sockets. © Bitmain.

The APW12 power supply is part of the S19 server and has **two power inputs**. The server only runs when both sockets are connected at the same time.

Two power cords are needed and must be bought separately. Each input carries up to 10 A.

SOURCE Bitmain, Antminer S19 user manual: Overview, Components, APW12 Power Supply.

CHAPTER 02

Safety and Installation Requirements

The S19 draws about 3.25 kW through two power inputs and produces loud, hot exhaust air. Plan the power circuits and the room before switching it on.

2.1 Safety warnings

DANGER · ELECTRICAL

- Connect the equipment to an **earthed** mains socket-outlet. The socket-outlet must be installed near the equipment and be easy to reach.
- The equipment has **two power inputs** and runs only when both are connected. When powering off, **switch off both inputs**.
- Use only 200–240 V AC. Wrong input voltage may damage the server.

CAUTION · EQUIPMENT

- Place the server as shown in the layout figures to avoid damage.
- Don't remove any screws or cables attached to the product.
- **Don't press the metal button on the cover.**

SOURCE Bitmain, Antminer S19 user manual: Overview cautions.

2.2 Electrical requirements

Input	**200–240 V AC, 47–63 Hz, two inputs**
Current	**20 A total, 10 A per input (at 40 °C, 0 m)**
Typical load	**3,250 W (±5%)**
Power cords	**Two, rated for at least 10 A each (not included)**

Use earthed circuits sized by a licensed electrician to local code. Don't use household extension leads or multi-plugs. The S19 doesn't support 110–120 V supplies.

2.3 Climatic conditions

CONDITION	REQUIREMENT
Operating temperature	0–40 °C
Operating humidity	10–90% RH, non-condensing
Storage temperature	−20 to 70 °C
Storage humidity	5–95% RH, non-condensing
Altitude	≤ 2,000 m

> **NOTE**
> Bitmain's general environmental requirements give an operating range of −20 to 45 °C for the server room. This manual uses the S19 product specification, **0–40 °C**, because it is the stricter and model-specific limit.

2.4 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**

If unavoidable, build upwind of the source; near the sea, make the room as airtight as possible with air conditioning.

Electromagnetic environment

No AC transformers > 10 kA within 20 m, no high-voltage lines within 50 m, no radio transmitters > 1,500 W within 100 m.

Dust and corrosive gas limits

SUBSTANCE	LIMIT
Sand	≤ 30 mg/m³
Dust, suspended	≤ 0.2 mg/m³
Dust, deposited	≤ 1.5 mg/m²h
H_2S · Cl_2 · HF	< 3 · < 1 · < 1 ppb
SO_2 · O_3	< 10 · < 2 ppb
NO_2 · NH_3	< 50 · < 500 ppb

The room must be free of explosive, conductive, magnetically conductive and corrosive dust.

Airflow and placement

- Air enters through the front fans and leaves through the rear fans. Keep both ends clear and don't let hot exhaust air flow back into the intake.
- At about 75 dB, the S19 isn't suitable for living or office spaces.

SOURCE Bitmain, Antminer S19 user manual: Environmental Requirements. Airflow and noise: OneMiners.

03 CHAPTER Initial Setup

These steps take a new S19 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 before opening it.
- Confirm the label shows **S19**, model **240-Ca**, 95 TH/s.
- Inspect the case, fan guards and both power sockets for dents or bent parts. Check that the fans spin freely.
- Keep the carton and packing for transport or service.



Packaging



Unit as delivered

ONEMINERS Photos of an Antminer S19 95 TH/s received by OneMiners.

3.2 Connecting network and power

1. **Network**
   Connect an Ethernet cable to the **ETH** port. The default DHCP protocol assigns an IP address automatically.
2. **Power**
   Connect **both** power cords to the two APW12 sockets, then switch on the supply. The fans spin up during start-up.

3.3 Finding the miner's IP address

> **NOTE**
> IP Reporter runs on Microsoft Windows only. Download `IPReporter.zip` from shop.bitmain.com/support/download (under Others), or from the S19 95 TH/s card in the OneMiners Manuals & Firmware Library.

1. Extract the file. Right-click `IPReporter.exe` and run it as administrator.
2. Choose **Shelf, Step, Position** to mark server locations in a farm, or **Default** for a home server.
3. Click **Start**.
4. On the controller, press and hold **IP Report** until it beeps (about 5 seconds).
5. The IP address appears in a window on your computer.

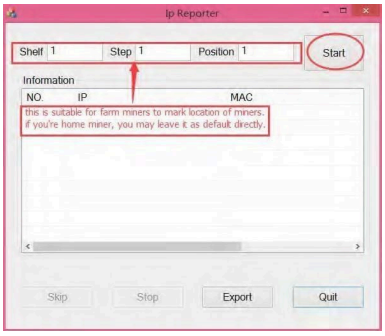

Figure 3-1 IP Reporter. © Bitmain.

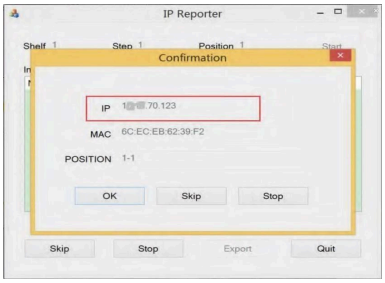

Figure 3-2 Reported IP and MAC address. © Bitmain.

3.4 Logging in and network settings

1. Enter the IP address in a web browser on the same network.
2. Log in with `root` as both username and password, then change the password (see 6.3).
3. Optional static IP: in **IP Setting**, set **Protocol** to **Static**, enter the IP address, subnet mask, gateway and DNS server, then click **Save**.

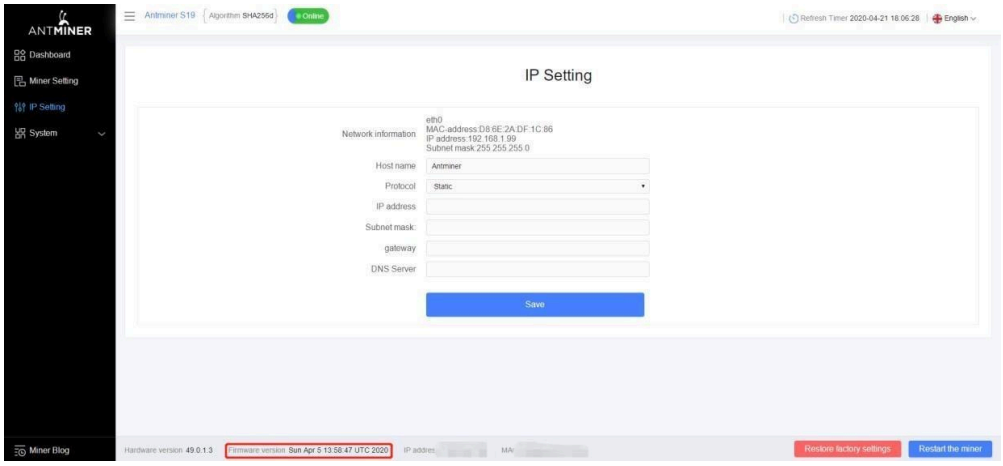

Figure 3-3 IP Setting page on an Antminer S19. The firmware version is shown at the bottom (highlighted). © Bitmain.

SOURCE Bitmain, Antminer S19 user manual: Setting up the Server.

04 CHAPTER Mining Configuration

The S19 mines SHA-256 coins such as Bitcoin. It holds three pools in priority order and switches automatically if the active pool goes offline.

4.1 Setting up pools

1. Click **Miner Setting** (shown as **Settings** on some firmware).
2. Fill in up to three pools using the table below.
3. Click **Save**.

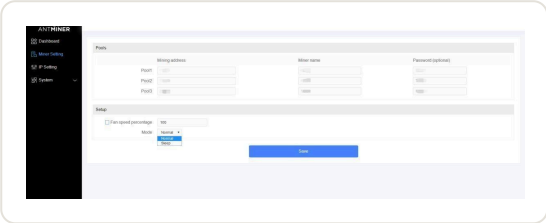

Figure 4-1 Pool settings. © Bitmain.

OPTION	DESCRIPTION
Mining address	The pool's address, in the format `stratum+tcp://host:port`. Pool 1 has the highest priority. Lower-priority pools are used only when all higher-priority pools are offline.
Name	Your worker ID on the pool, usually `account.worker`, for example `myaccount.s19-01`.
Password (optional)	The password for the worker. Most pools accept any value, such as `x`.

> **CAUTION**
> Copy pool addresses from the pool's official website and always add a backup pool. A mistyped address mines for nobody.

4.2 Fan speed and working modes

- **Fan speed percentage** can be set on the same page, but Bitmain recommends keeping the default. If no percentage is selected, the server adjusts fan speed automatically.
- The S19 has two working modes: **Normal** and **Sleep**. In sleep mode, the control board stays powered while the hashboards are off, so the miner doesn't mine.

> **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, Antminer S19 user manual: Configuring the Server.

05 CHAPTER Monitoring Performance

Click **Dashboard** to check the server status. Judge performance by the average hashrate after the miner has run for some time, not by the real-time figure.

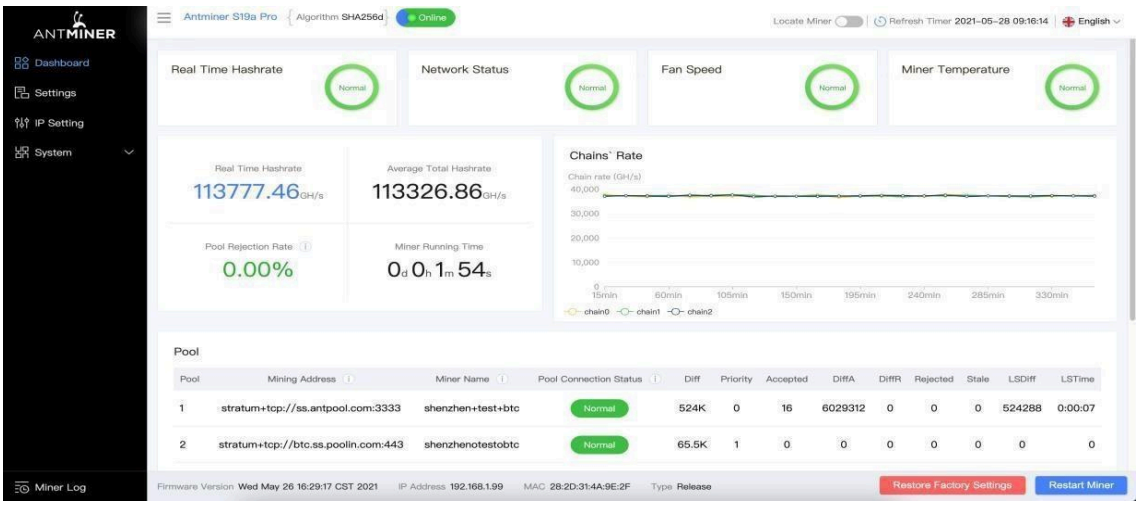

Figure 5-1 Antminer 19-series dashboard. This Bitmain example was captured on an S19a Pro; an S19 95 TH/s shows its own model name and values. © Bitmain.

5.1 Dashboard values

OPTION	DESCRIPTION
Number of chips	Chips detected in each chain. A lower count than normal points to a hashboard fault.
Frequency	ASIC frequency setting. The S19 runs at a fixed frequency of 675 MHz.
Real hashrate	Real-time hashrate of each hashboard, in GH/s.
Inlet temp / Outlet temp	Temperature at the inlet and outlet (°C).
Chip state	Green icon = normal · red icon = abnormal.

5.2 What "normal" looks like

Average hashrate	**92.2–97.9 TH/s**
Wall power	**3,088–3,413 W**
Pool rejection rate	**Below 1%**

Calculated from Bitmain's 95 TH/s ±3% and 3,250 W ±5% at 25 °C.

SOURCE Bitmain, Antminer S19 user manual: Monitoring Your Server.

5.3 Temperature protection

AUTOMATIC STOP

The firmware stops running when the **outlet temperature reaches 95 °C**. The kernel log shows `over max temp, pcb temp`, and the dashboard shows **Temp is too high**. Fix the cooling problem before restarting (see Chapter 7).

06 CHAPTER Firmware and Maintenance

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

6.1 Checking the firmware version

Open the dashboard and look at the bottom of the page. **Firmware Version** shows the date of the firmware the server uses (see Figure 3-3).

6.2 Upgrading firmware safely

> **DANGER · KEEP POWER ON**
> Keep the S19 powered throughout the upgrade. If power fails before the upgrade completes, the server must go back to Bitmain for repair.

> **USE THE RIGHT FILE**
> Only install firmware Bitmain publishes for the **Antminer S19**, from shop.bitmain.com/support/download or the OneMiners Manuals & Firmware Library. Firmware for other 19-series models (S19 Pro, S19j Pro, S19k Pro, S19 XP) isn't interchangeable.

1. Open **System** › **Firmware Upgrade**.
2. Leave **Keep settings** selected to keep your current settings (the default). Clear it to reset the server to default settings.
3. Click the file button, select the upgrade file, then click **Update**.
4. When the upgrade is complete, restart the server. It returns to the settings page.

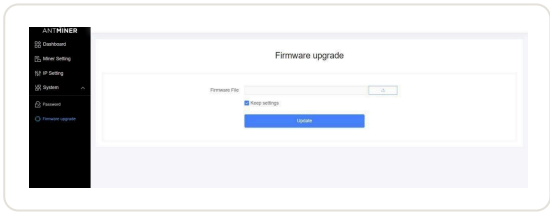

Figure 6-1 Firmware upgrade. © Bitmain.

6.3 Changing the password

1. Open **System** › **Password**.
2. Enter the current password and the new password twice, then click **Save**.

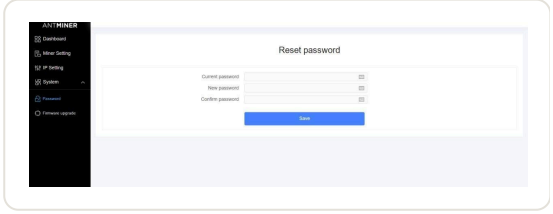

Figure 6-2 Reset password page. © Bitmain.

6.4 Restoring initial settings

1. Turn on the server and let it run for 5 minutes.
2. On the controller front panel, press and hold **Reset** for 10 seconds.
3. The server reboots with default settings. The red LED flashes once every 15 seconds when the reset has succeeded.

SOURCE Bitmain, Antminer S19 user manual: Administering Your Server.

6.5 Preventive maintenance

WHEN	TASK
Daily / remotely	Check average hashrate, rejection rate, chip states and inlet/outlet temperatures on the dashboard or OneMiners platform.
Monthly	Check room temperature and humidity against 2.3. Look for dust on the fan guards and intake.
Every 3–6 months	Switch off and unplug **both** power cords, then remove dust from the fans and heat sinks with dry compressed air. Check that all four fans spin freely.
Regularly	Check both power cords and plugs for heat marks. Check for new S19 firmware.

Intervals are OneMiners recommendations; Bitmain doesn't publish a schedule for the S19. Clean more often in dusty sites. Don't open the hashboard housing.

CHAPTER 07

Troubleshooting

Start with the symptom table. For anything not listed, open **Miner Log** on the dashboard and note the last error lines. Hosted customers: don't attempt repairs yourself; contact OneMiners service.

SYMPTOM	CHECK
Miner doesn't power on	Make sure **both** power cords are connected and both circuits are live. The S19 doesn't run on one input. Check the supply is 200–240 V.
No network / IP not found	Check the cable, switch port and DHCP. Run IP Reporter as administrator and hold **IP Report** until it beeps. Check that the red Fault light isn't on.
Pool won't connect	Re-check the pool address and port, worker name format, gateway and DNS. Make sure the port isn't blocked by a firewall. Add a backup pool.
Low or unstable hashrate	Compare the **average** hashrate with 92.2–97.9 TH/s. Check each chain's chip count and chip state. Check inlet temperature and dust. Update the firmware.
Stopped with "Temp is too high"	The outlet reached 95 °C. Check that the room is within 0–40 °C, the fans are all running, and intake and exhaust are clear. Clean the miner, then restart.
Fan fault or noisy fan	Check for debris in the fan guards and for damaged blades. Keep fan speed on automatic. Persistent fan faults need a fan replacement.
Not mining, fans quiet	Check the working mode isn't set to **Sleep** (4.2).
Smell, unusual sound or smoke	Switch off both power inputs immediately and contact service.

SOURCE Based on Bitmain's S19 user manual (power inputs, IP Reporter, working modes, temperature protection). Checks are OneMiners guidance.

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For a hosted miner, send the symptom, the last lines of the Miner Log, 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 S19 95 TH/s.

8.1 Miner details

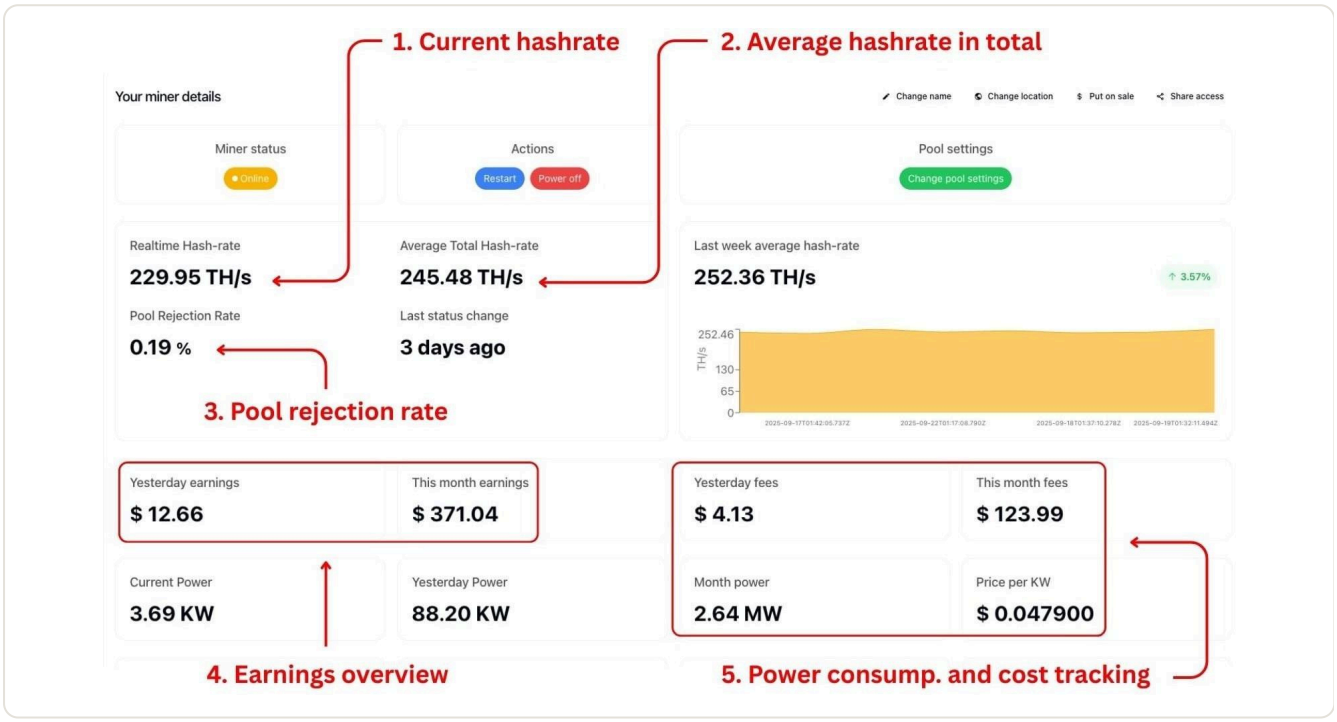


Figure 8-1 Miner details on OneMiners platform v1.2 (example values).

1 · Current hashrate	Real-time hashrate 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; expect 92.2–97.9 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

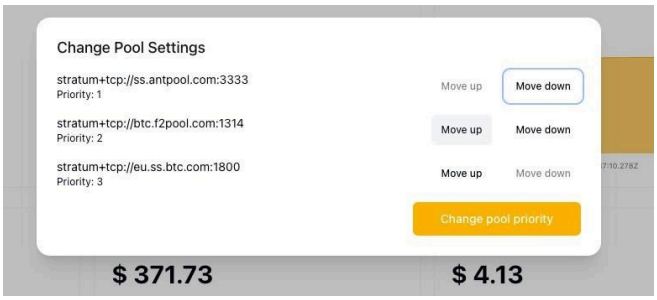


Figure 8-2 Change Pool Settings.

- 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

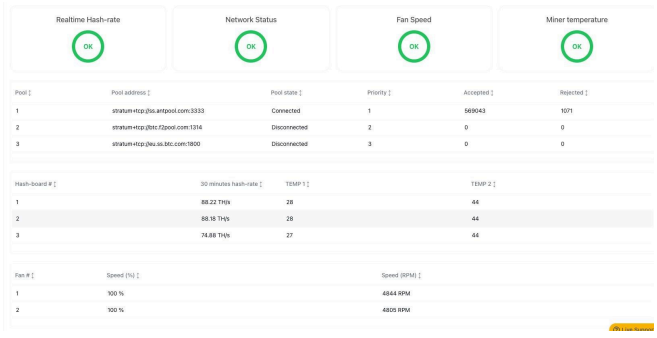


Figure 8-4 Hardware status (example from an air-cooled miner).

- **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 in % and RPM for each of the S19's four fans. A slow or stopped fan raises outlet temperature, and the miner stops at 95 °C outlet, 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 Bitcoin miners like the S19 are accepted at most sites. Ask sales which locations currently host the S19.

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 S19, this includes damage from running outside 0–40 °C or 200–240 V AC, blocked airflow, or pressing the metal button on the cover 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.

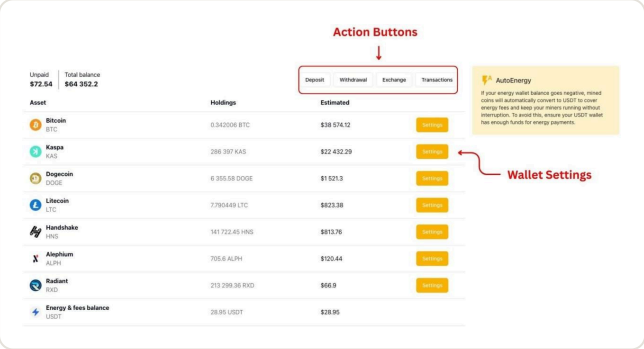


Figure 10-1 Wallet section.

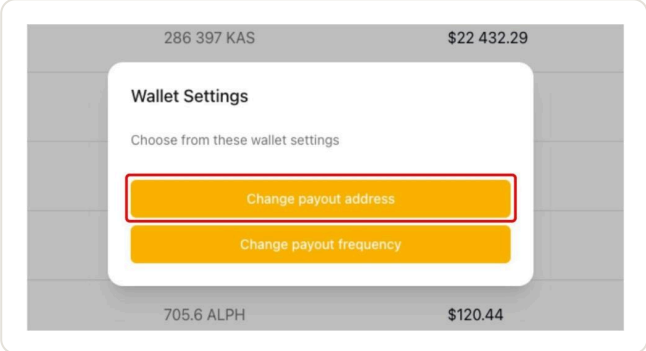


Figure 10-2 Changing the payout address.

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.

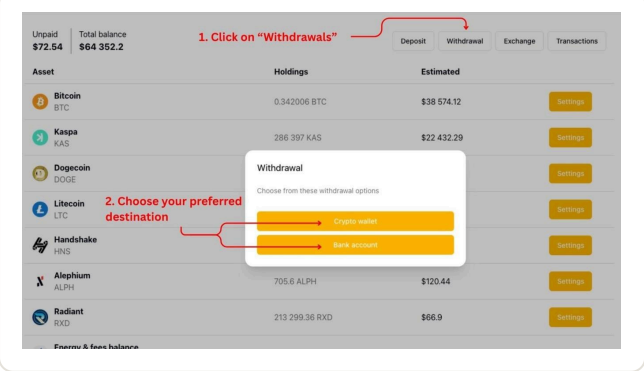


Figure 10-3 Choosing a withdrawal destination.

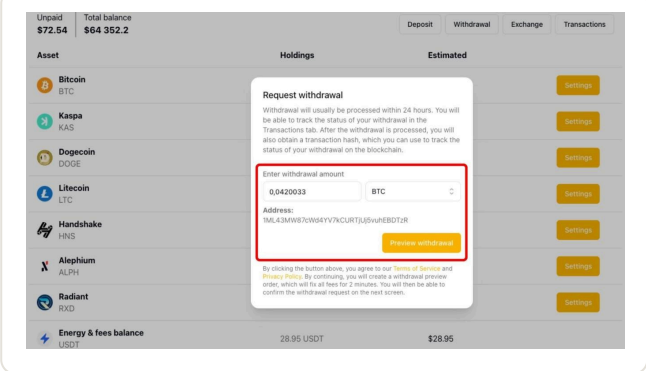
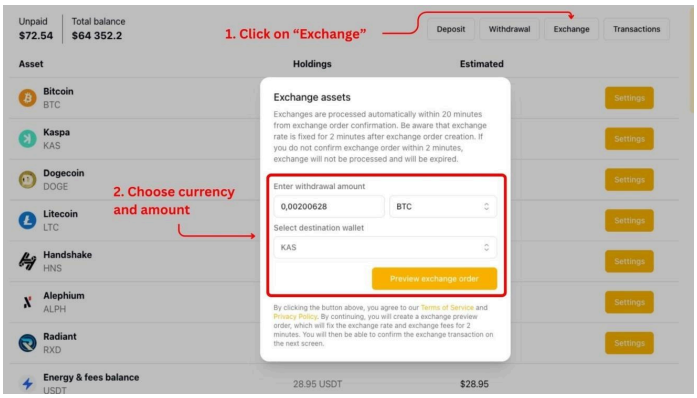


Figure 10-4 Choosing currency and amount.

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

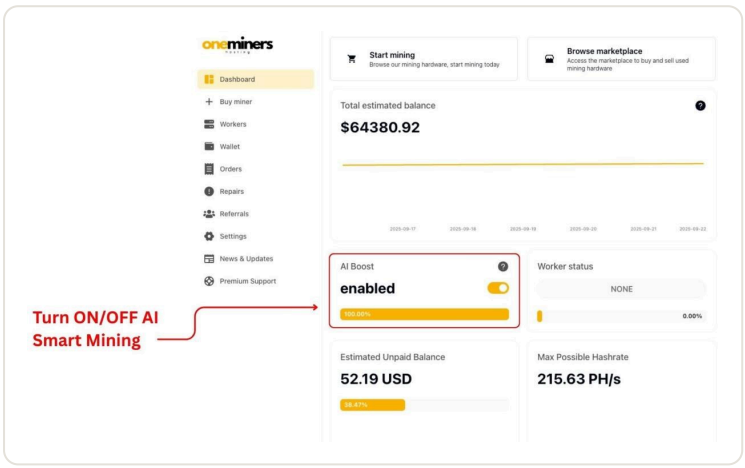


Figure 11-1 AI Boost toggle on the dashboard (platform v1.2).

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.

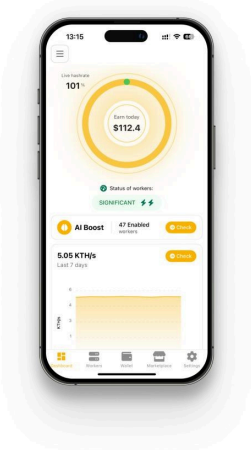
Results depend on hardware and market conditions and aren't guaranteed. More information: oneminers.com/pages/ai-smart-mining.

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 depends on Bitcoin's price, 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
- Bitcoin mining calculator: oneminers.com/pages/bitcoin-mining-calculator

For an S19, enter 95 TH/s and 3,250 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
Product page
oneminers.com/products/antminer-s19-95-th-s-1

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 Regulatory notices

FCC notice (for FCC-certified models). This device complies with part 15 of the FCC Rules. Operation is subject to two conditions: (1) it may not cause harmful interference, and (2) it must accept any interference received, including interference that may cause undesired operation. It has been tested and found to comply with the limits for a Class A digital device. Operation in a residential area is likely to cause harmful interference, which the user must correct at their own expense.

EU WEEE. This symbol on the product or packaging means it must not be disposed of with household waste. Hand it over to a designated collection point for recycling of electrical and electronic equipment. For drop-off locations, contact your local city office, waste disposal service or the shop where you bought the product.

12.4 Sources and revision history

1. Bitmain, Antminer S19 user manual (as reproduced in OneMiners manual V1.1): overview, components, specifications, setup, configuration, monitoring, administration, environment, regulations.
2. D-Central and ASIC Miner Value device pages: cross-check of model 240-Ca, hashrate, power, release date, fans and noise.

3. OneMiners: product page for S19 95 TH/s, Warranty Policy, hosting pages, AI Smart Mining page, Media Kit, site contact details. All checked 7 November 2026.

VERSION	DATE	CHANGES
V1.3	Nov 2026	Specifications re-verified (unchanged). Operating-temperature conflict resolved in favour of the product specification (0–40 °C). Contents page now names the APW12 power supply (V1.1 listed APW171215). "Newest in the 19 series" wording removed. Warranty, hosting and contact details updated to current OneMiners pages. Stale profitability screenshots replaced with links. Troubleshooting chapter added. Source tags on manufacturer content. Rebuilt in the OneMiners media-kit design.
V1.2	—	Version published on the OneMiners library. Not reviewed for this revision.
V1.1	Oct 2025	Previous edition (cover read "Document Version 1.0, Jul. 2025").