Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

QIO TECH Antminer S19 95T

QIO TECH Bitmain Antminer S19 95TH/s Asic Miner Instruction Manual

Model: Antminer S19 95T

1. Introduction

This manual provides essential instructions for the safe and efficient operation of your QIO TECH Bitmain Antminer S19 95TH/s Asic Miner. Please read this manual thoroughly before setting up and operating the device to ensure proper functionality and to prevent damage or injury. This device is designed for cryptocurrency mining, specifically Bitcoin (BTC).

2. Safety Information

WARNING: Failure to follow these safety instructions may result in fire, electric shock, or other injury or damage.

- **Power Supply:** The Antminer S19 95TH/s requires a **220V input voltage**. Connecting to an incorrect voltage (e.g., 110V) will damage the unit and void the warranty. Ensure your power infrastructure can support the 3250W power consumption.
- **Ventilation:** Operate the miner in a well-ventilated area. High temperatures can lead to performance degradation and hardware failure. Do not block the air inlets or outlets.
- **Electrical Safety:** Use appropriate power cables and ensure all connections are secure. Do not operate the device with damaged cables or if the casing is open.
- **Environment:** Keep the miner away from moisture, dust, and corrosive substances. Maintain a stable operating temperature as specified in the technical specifications.
- **Handling:** The device can be heavy. Handle with care to avoid dropping or physical damage.

3. Package Contents

Verify that all items are present and in good condition upon unpacking:

- QIO TECH Bitmain Antminer S19 95TH/s Asic Miner
- Power Supply Unit (PSU)
- Power Cables (ensure they are compatible with 220V infrastructure)

Note: Ethernet cable is typically not included and must be provided by the user.

4. Product Overview

The Antminer S19 95TH/s is a high-performance ASIC miner designed for efficient Bitcoin mining. It features a robust casing, integrated power supply, and multiple cooling fans.



Figure 4.1: Front and side view of the Antminer S19 95TH/s, showing the cooling fans and main chassis.



Figure 4.2: Angled view of the Antminer S19 95TH/s, highlighting the power input and network ports on the control board side.



Figure 4.3: Rear view of the Antminer S19 95TH/s, showing the exhaust fans and power connectors.

Components:

- **Control Board:** Manages the mining process and network communication.
- **Hash Boards:** Contains the ASIC chips responsible for cryptographic calculations.
- **Power Supply Unit (PSU):** Converts AC power to DC power for the miner.
- **Cooling Fans:** Multiple high-speed fans ensure optimal operating temperatures.
- **Ethernet Port:** For network connectivity.

5. Setup Instructions

5.1 Environmental Requirements

- **Temperature:** Optimal operating temperature is between 5°C and 35°C (41°F and 95°F).
- **Humidity:** Relative humidity should be between 5% and 95% (non-condensing).
- **Airflow:** Ensure unrestricted airflow around the miner. Avoid enclosed spaces.

5.2 Physical Installation

1. **Placement:** Place the miner on a stable, level surface in a well-ventilated area.
2. **Network Connection:** Connect one end of an Ethernet cable to the miner's Ethernet port and the other end to your network router or switch.
3. **Power Connection:**
    - Connect the power cables to the PSU.
    - **Crucially, ensure your power outlet provides 220V.** Connect the power cables from the PSU to the 220V power outlets.
    - Power on the miner. The fans will start immediately.

5.3 Initial Configuration

1. **Find Miner IP Address:** Use an IP scanner tool on your network to find the IP address assigned to the Antminer. Alternatively, some miners have a button to announce their IP.
2. **Access Web Interface:** Open a web browser and enter the miner's IP address.
3. **Login:** Enter the default username and password (typically 'root' for both, or check specific Bitmain documentation if different).
4. **Configure Mining Pool:** Navigate to the 'Miner Configuration' or 'Settings' section. Enter your mining pool URL, worker name, and password. Save the settings.
5. **Start Mining:** The miner should automatically start hashing once configured. Monitor the status page to confirm it is working correctly.

6. Operating Instructions

6.1 Monitoring

Regularly check the miner's web interface for:

- **Hash Rate:** Ensure it is close to the advertised 95 TH/s.
- **Temperature:** Monitor chip and board temperatures to prevent overheating.
- **Fan Speed:** Verify fans are operating at appropriate speeds.
- **Accepted Shares:** Confirm the miner is submitting valid shares to your mining pool.

6.2 Restarting the Miner

If the miner becomes unresponsive or experiences issues, you can restart it via the web interface or by physically cycling the power. Always prefer a software restart first.

7. Maintenance

- **Dust Removal:** Periodically clean the miner to remove dust accumulation from fans and heatsinks. Use compressed air. Ensure the miner is powered off and unplugged before cleaning.
- **Firmware Updates:** Check the official Bitmain website for firmware updates. Updates can improve performance, stability, and security. Follow the provided instructions carefully when updating firmware.
- **Environmental Checks:** Regularly inspect the operating environment for proper ventilation, temperature, and humidity.

8. Troubleshooting

This section addresses common issues you might encounter:

Problem	Possible Cause	Solution
Miner does not power on.	No power, incorrect voltage, faulty PSU or cables.	Check power connections. Ensure 220V input. Test PSU if possible.
"Power off hashboard" error.	Faulty hashboard, insufficient power to hashboard, loose connection.	Check power cables to hashboards. Restart miner. If persistent, contact support.
Low hash rate or no shares.	Incorrect pool configuration, network issues, overheating, faulty hashboard.	Verify pool settings. Check network connectivity. Ensure proper cooling.
Miner is overheating.	Poor ventilation, dust accumulation, fan failure.	Improve airflow. Clean fans and heatsinks. Check fan operation.
Cannot access web interface.	Incorrect IP address, network issue, miner not powered on.	Verify IP address. Check Ethernet cable. Restart miner and router.

9. Specifications

Feature	Detail
Model Name	Antminer S19 95T
Brand	QIO TECH
Hash Rate	95 TH/s (Terahashes per second)
Power Consumption	3250 Watts
Input Voltage	220 Volts (AC)
Cooling Method	Air Cooling
Fan Count	2 (typically, though images show more on one side)
Compatible Devices	Cryptocurrency Mining Machine (ASIC Miner)
Connector Type	ATX (for internal PSU connections)
Form Factor	ATX
Date First Available	November 10, 2021

10. Warranty and Support

For specific warranty details, please refer to the purchase agreement or contact your vendor directly. Please note the following information from the product listing:

- A 40% restock fee may be charged if the Antminer S19 95TH/s is returned within 30 days. This indicates a strict return policy.

For technical support or further assistance, please contact QIO TECH customer service or your product reseller. Ensure you have your purchase details and the miner's serial number available.

© 2023 QIO TECH. All rights reserved. Information in this manual is subject to change without notice.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B09LHFV14V

More documents and user manuals: **https://manuals.plus/**