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QIO TECH Antminer L7

QIO TECH Antminer L7 9050MH User Manual

Comprehensive Instructions for Setup, Operation, and Maintenance

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your QIO TECH Antminer L7 9050MH. The Antminer L7 is a high-performance Application-Specific Integrated Circuit (ASIC) miner designed for mining cryptocurrencies such as Litecoin (LTC) and Dogecoin (DOGE).
Please read this manual thoroughly before operating the device to ensure proper function and safety.

2. Safety Information

Adherence to the following safety guidelines is crucial to prevent damage to the device and ensure user safety:

- **Power Supply:** The required input voltage for the Antminer L7 is **220V**. Connecting the device to an incorrect voltage supply may cause severe damage to the miner and void its warranty. Ensure your power source meets this requirement.
- **Ventilation:** Operate the miner in a well-ventilated area. Ensure adequate airflow around the device to prevent overheating. Do not block the intake or exhaust vents.
- **Electrical Connections:** Ensure all power cables are securely connected. Do not use damaged cables.
- **Environment:** Avoid operating the miner in environments with high humidity, dust, or extreme temperatures.
- **Handling:** Handle the miner with care. Avoid dropping or subjecting it to physical shock.

3. Product Overview

The QIO TECH Antminer L7 9050MH is a robust mining unit. Key features include:

- **Hash Rate:** 9050MH
- **Power Consumption:** 3425W
- **Power Efficiency:** 0.36 J/GH
- **Cooling System:** Equipped with two 12038 fans for efficient heat dissipation.

Below are images illustrating the Antminer L7's design and components.



Figure 3.1: Angled view of the Antminer L7, showing the main casing and cooling fans.



Figure 3.2: Front view of the Antminer L7, highlighting the dual cooling fans responsible for air intake.



Figure 3.3: Side view of the Antminer L7, showing the robust casing and additional cooling vents.

4. Setup

Follow these steps to set up your Antminer L7:

1. **Unpacking:** Carefully remove the miner from its packaging. Inspect for any visible damage.
2. **Placement:** Choose a location with good ventilation and stable temperature. Ensure there is sufficient space around the miner for airflow. Avoid placing it near heat sources or in enclosed spaces.
3. **Power Connection:** Connect the power supply unit (PSU) to a 220V power outlet using appropriate power cords (not included). Ensure all power cables are firmly seated into the miner's power ports.



Figure 4.1: Rear view of the Antminer L7, showing the power input ports and network interface.

4. **Network Connection:** Connect an Ethernet cable from your router or network switch to the miner's Ethernet port. Ensure a stable internet connection.
5. **Initial Boot:** Once power and network are connected, power on the miner. The device will begin its boot sequence.

5. Operating Instructions

After initial setup, configure your Antminer L7 for mining:

1. **Accessing the Web Interface:**
    - Locate the miner's IP address using a network scanner tool or by checking your router's connected devices list.
    - Open a web browser and enter the miner's IP address into the address bar.
    - Log in using the default credentials (refer to manufacturer documentation for specific username and password, typically 'root' for both).
2. **Configuration:**
    - Navigate to the 'Miner Configuration' or 'Settings' section.
    - Enter your mining pool URL(s), worker name, and password. For Litecoin and Dogecoin mining, ensure your chosen pool supports the Scrypt algorithm.
    - Save the settings and restart the miner if prompted.
3. **Monitoring:**

- Regularly check the miner's status page in the web interface to monitor hash rate, temperature, and fan speed.
- Ensure the hash rate is stable and temperatures are within acceptable operating ranges.

6. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your Antminer L7:

- **Cleaning:** Periodically clean the fans and heatsinks to remove dust buildup. Use compressed air or a soft brush. Ensure the miner is powered off and unplugged before cleaning.
- **Environmental Control:** Maintain a stable operating environment. Ideal conditions include a temperature range of 5°C to 35°C and humidity below 65%.
- **Firmware Updates:** Check the manufacturer's official website for firmware updates. Apply updates as recommended to improve performance and security.

7. Troubleshooting

If you encounter issues with your Antminer L7, consider the following common problems and solutions:

- **Miner Not Powering On:**
  - Verify the 220V power supply is active.
  - Check all power cable connections.
  - Ensure the power switch (if present) is in the 'On' position.
- **No Network Connection:**
  - Check the Ethernet cable connection to both the miner and the router/switch.
  - Verify your router and internet connection are working correctly.
  - Restart the miner and your network equipment.
- **Low Hash Rate or No Mining:**
  - Confirm your mining pool settings (URL, worker, password) are correct.
  - Check your internet connection speed and stability.
  - Monitor the miner's temperature; overheating can cause performance degradation.
  - Ensure the firmware is up to date.
- **Overheating:**
  - Improve ventilation around the miner.
  - Clean dust from fans and heatsinks.
  - Ensure ambient room temperature is not excessively high.

If issues persist, contact QIO TECH customer support for further assistance.

8. Specifications

Feature	Specification

Feature	Specification
Model	Antminer L7
Hash Rate	9050MH
Power Consumption	3425W
Power Efficiency	0.36 J/GH
Dimensions (L*W*H)	400mm * 195mm * 290mm (15.75 x 7.68 x 11.42 inches)
Item Weight	35.2 pounds (15.97 kg)
Cooling	2x 12038 fans
Input Voltage	220V
Connector Type	ATX (Internal PSU)
Form Factor	ATX (Internal PSU)
Date First Available	February 9, 2023

9. Warranty and Support

QIO TECH provides support for its products. For warranty claims or technical assistance, please contact QIO TECH directly. Specific warranty terms and conditions, including duration and coverage, are typically provided at the time of purchase.
Please note that return policies may include restocking fees, as indicated by the seller. It is advisable to review the return policy before making a purchase decision.
For the most current support information, refer to the official QIO TECH website or your purchase documentation.

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