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QIO TECH Antminer s19kpro 120T

Antminer S19Kpro 120Th Instruction Manual

Model: Antminer s19kpro 120T | Brand: QIO TECH

1. Important Safety Information

Before operating the Antminer S19Kpro 120Th, please read and understand all safety instructions. Failure to do so may result in equipment damage, personal injury, or voiding of the warranty.

- **Voltage Requirement:** The Antminer S19Kpro 120TH/s requires an input voltage of**220V**. Connecting the device to an incorrect voltage supply may cause severe damage to the miner.
- **Ventilation:** Ensure adequate airflow around the miner to prevent overheating. Do not block air vents.
- **Environment:** Operate the miner in a clean, dry, and well-ventilated environment. Avoid extreme temperatures and humidity.
- **Power Connection:** Use only the provided power supply and cables. Ensure all connections are secure before powering on.
- **Professional Installation:** If you are unsure about any installation steps, consult a qualified electrician or IT professional.

2. Product Overview

The Antminer S19Kpro 120Th is a high-performance Bitcoin ASIC miner designed for efficient cryptocurrency mining. It features advanced cooling and a robust design for continuous operation.



Figure 2.1: Side view of the Antminer S19Kpro 120Th, showing the integrated cooling fans and power input ports.



Figure 2.2: Front view of the Antminer S19Kpro 120Th, highlighting the primary cooling fan assembly.



Figure 2.3: Rear view of the Antminer S19Kpro 120Th, displaying the product information label and additional cooling vents.

3. Setup Guide

1. **Unpacking:** Carefully remove the Antminer S19Kpro 120Th from its packaging. Inspect for any signs of damage during transit.
2. **Placement:** Place the miner on a stable, flat surface in a well-ventilated area. Ensure there is at least 20 cm of clear space around all sides for proper airflow.
3. **Power Connection:**
    - Connect the power supply unit (PSU) to the miner using the provided cables.
    - Ensure the power source provides a stable **220V** supply.
    - Plug the PSU into a grounded power outlet.
4. **Network Connection:** Connect an Ethernet cable from your router or network switch to the Ethernet port on the miner.
5. **Initial Power On:** Once all connections are secure, switch on the power button on the miner. The indicator lights should illuminate.
6. **IP Address Configuration:**
    - Use an IP scanner tool on your network to find the miner's assigned IP address.
    - Alternatively, some miners have a default IP or a button to broadcast their IP. Refer to the specific Bitmain documentation for detailed IP discovery methods.
7. **Web Interface Access:** Open a web browser and enter the miner's IP address to access its web management

interface.

8. **Login:** Enter the default username and password (typically 'root' for both, or as specified in Bitmain's general Antminer documentation). Change these credentials immediately after the first login for security.

4. Operating Instructions

1. **Pool Configuration:**
    - Navigate to the 'Miner Configuration' or 'Pool Settings' section in the web interface.
    - Enter the URL, Worker Name, and Password for your chosen mining pool. It is recommended to configure at least two backup pools.
2. **Saving Settings:** After entering the pool information, save the settings. The miner will automatically restart or begin mining shortly.
3. **Monitoring Performance:**
    - Access the 'Miner Status' or 'Dashboard' page to monitor the miner's hash rate, temperature, and fan speed.
    - Ensure the hash rate is stable and close to the advertised 120 TH/s.
    - Monitor temperatures to ensure they remain within safe operating limits (typically below 80°C for hash boards).
4. **Firmware Updates:** Periodically check the official QIO TECH or Bitmain website for firmware updates. Updating firmware can improve performance and stability. Follow the provided instructions carefully when updating.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Antminer S19Kpro 120Th.

- **Dust Removal:**
    - At least once a month, power down the miner and disconnect it from the power source.
    - Use compressed air to gently clean dust from the fans, heat sinks, and internal components.
    - Do not use water or liquid cleaners.
- **Fan Inspection:** Regularly check the cooling fans for any obstructions or signs of wear. Replace noisy or malfunctioning fans promptly.
- **Cable Connections:** Periodically inspect all power and network cable connections to ensure they are secure and free from damage.
- **Environmental Control:** Maintain a stable operating environment with consistent temperature and humidity levels to prevent component degradation.

6. Troubleshooting

This section provides solutions to common issues you might encounter with your Antminer S19Kpro 120Th.

Problem	Possible Cause	Solution
Miner does not power on.	No power supply, incorrect voltage, faulty power cable.	Check power cable connections. Ensure power outlet is functional. Verify input voltage is 220V.

Problem	Possible Cause	Solution
Low hash rate or no hash rate.	Incorrect pool settings, network issue, faulty hash board.	Verify pool URL, worker name, and password. Check network cable and internet connection. Restart the miner. Check miner logs for hash board errors.
Overheating.	Poor ventilation, dusty fans, high ambient temperature.	Ensure adequate space around the miner. Clean fans and heat sinks. Lower ambient room temperature if possible.
Cannot access web interface.	Incorrect IP address, network connectivity issue, miner not powered on.	Verify the miner's IP address using an IP scanner. Check network cable connection. Ensure the miner is powered on and running.

If the problem persists after attempting these solutions, please contact QIO TECH customer support.

7. Specifications

Feature	Detail
Model Name	Antminer s19kpro 120T
Brand	QIO TECH
Hash Rate	120 TH/s (Terahash per second)
Power Consumption	2760W (Watts)
Power Efficiency	23 J/TH (Joules per Terahash)
Input Voltage	220V (Required)
Cooling Method	Air Cooling
Product Dimensions (L x W x H)	15.75 x 11.61 x 7.48 inches (400 x 295 x 190 mm)
Item Weight	35.2 pounds (16 kg)
Compatible Devices	Desktop (for management interface access)
Connector Type	ATX (for power supply)

8. Warranty and Support

For warranty information and technical support, please refer to the official QIO TECH documentation or contact their

customer service directly.

- **Return Policy:** A 40% restock fee may be charged if the Antminer S19Kpro 120Th/s is returned within 30 days. Please consider this before purchase.
- **Manufacturer:** QIO TECH
- **Contact:** Refer to the seller's contact information on the purchase platform or the official QIO TECH website for support.

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