

QIO TECH Antminer Z15

Bitmain Antminer Z15 User Manual

Model: Antminer Z15 | Brand: QIO TECH

1. INTRODUCTION

The Bitmain Antminer Z15 is a high-performance ASIC miner designed for mining Zcash (ZEC) and other cryptocurrencies utilizing the Equihash algorithm. With a hash rate of 420K Sol/s, it offers efficient and powerful mining capabilities. This manual provides essential information for the safe and effective setup, operation, and maintenance of your Antminer Z15.

2. SAFETY INFORMATION

Please read and understand all safety warnings before operating the Antminer Z15. Failure to do so may result in injury, damage to the device, or property damage.

- **Electrical Safety:** Ensure the power supply unit (PSU) is connected to a grounded outlet with appropriate voltage (110-240V AC). Do not overload electrical circuits.
- **Ventilation:** The Antminer Z15 generates significant heat. Operate it in a well-ventilated area to prevent overheating. Maintain clear airflow around the device.
- **Temperature:** Avoid operating the miner in extreme temperatures. Refer to specifications for optimal operating temperature ranges.
- **Handling:** Handle the miner with care. Do not drop or subject it to physical shock.
- **Moisture:** Keep the device away from water and high humidity environments.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Bitmain Antminer Z15 ASIC Miner
- Bitmain APW7 1800W Power Supply Unit (PSU)
- Power Cables (may vary by region)

4. SETUP GUIDE

Follow these steps to set up your Antminer Z15:

4.1 Physical Connection

1. **Placement:** Place the Antminer Z15 on a stable, flat surface in a well-ventilated area. Ensure adequate space around the intake and exhaust fans for optimal airflow.
2. **Connect PSU:** Connect the Bitmain APW7 1800W PSU to the Antminer Z15 using the provided power cables. Ensure all connectors are securely fastened.
3. **Network Connection:** Connect an Ethernet cable from your router or network switch to the Ethernet port on the Antminer Z15.
4. **Power On:** Plug the PSU's power cable into a grounded electrical outlet. The miner will power on automatically.



Figure 4.1: Front view of the Antminer Z15, showing the cooling fans.



Figure 4.2: Back view of the Antminer Z15, showing the network port and power connections.



Figure 4.3: The Antminer Z15 connected to its power supply unit.

4.2 Initial Configuration

1. **Find IP Address:** Use an IP scanner tool on your network to find the IP address assigned to the Antminer Z15. Alternatively, some routers display connected devices.
2. **Access Web Interface:** Open a web browser and enter the miner's IP address into the address bar.
3. **Login:** Enter the default username and password (typically "root" for both, or check Bitmain's official documentation if this does not work).
4. **Network Settings (Optional):** Configure static IP address if desired, otherwise DHCP will assign one.

5. OPERATING INSTRUCTIONS

Once the miner is connected and accessible via its web interface, you can configure it for mining.

5.1 Pool Configuration

1. **Navigate to Miner Configuration:** In the web interface, find the "Miner Configuration" or "Pool Settings" section.
2. **Enter Pool Information:** Input the URL, Worker Name, and Password for your chosen Zcash (Equihash) mining pool. It is recommended to configure at least two backup pools.
3. **Save and Apply:** Save the settings. The miner will restart its mining process with the new configuration.

5.2 Monitoring

Monitor the miner's performance through the web interface. Key metrics include:

- **Hash Rate:** Displays the current mining speed (Sol/s).
- **Temperature:** Shows the temperature of the ASIC chips. Ensure it stays within safe operating limits.
- **Fan Speed:** Indicates the rotational speed of the cooling fans.

- **Uptime:** How long the miner has been running.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Antminer Z15.

- **Dust Removal:** Periodically clean dust from the fans and heatsinks using compressed air. Ensure the miner is powered off and unplugged before cleaning.
- **Ventilation Check:** Regularly inspect the operating environment to ensure proper airflow and prevent obstructions to the intake and exhaust vents.
- **Firmware Updates:** Check the official Bitmain website for firmware updates. Apply updates as recommended to improve performance and security.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Miner does not power on.	Loose power cable, faulty PSU, no power from outlet.	Check all power connections. Verify outlet has power. Test PSU if possible.
No network connection.	Loose Ethernet cable, incorrect network settings, router issue.	Ensure Ethernet cable is securely connected. Check router status. Verify IP settings.
Low hash rate or no mining.	Incorrect pool settings, network issues, overheating, faulty hash board.	Verify pool URL, worker name, and password. Check network stability. Ensure proper ventilation. Contact support if hash board failure is suspected.
Overheating.	Poor ventilation, dusty fans, high ambient temperature.	Improve airflow around the miner. Clean fans and heatsinks. Lower ambient room temperature.

8. SPECIFICATIONS

Key technical specifications for the Antminer Z15:

- **Model:** Antminer Z15
- **Hash Rate:** 420K Sol/s (Equihash)
- **Manufacturer:** QIO TECH (Seller), Bitmain (Original Manufacturer)
- **Compatible Devices:** Personal Computer (for monitoring/configuration)
- **Power Supply:** Bitmain APW7 1800W PSU (Included)
- **Output Wattage:** 1510 Watts
- **Wattage:** 1800 watts (PSU)
- **Cooling Method:** Air Cooling
- **Input Voltage:** 110-240 Volts (AC)
- **Form Factor:** ATX
- **Date First Available:** March 1, 2021

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the policies provided by your seller, QIO TECH, or the official Bitmain website. Keep your purchase receipt for warranty claims.

Note: A 40% restocking fee may apply if the Antminer Z15 is returned within 30 days, as per seller policy. Please consider this before purchase.

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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