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› OEMGMINER Bitaxe NerdQaxe++ 4.8TH/s Bitcoin Miner Instruction Manual

OEMGMINER NerdQaxe++

Bitaxe NerdQaxe++ 4.8TH/s Bitcoin Miner

Instruction Manual

Model: NerdQaxe++ | Brand: OEMGMINER

1. INTRODUCTION

The Bitaxe NerdQaxe++ is an advanced, open-source ASIC mining machine designed for Bitcoin and other cryptocurrency mining applications. Equipped with 4 BM1370 ASIC chips, it delivers a stable hashrate of 4.8TH/s with an impressive energy efficiency of 15J/TH and a low power consumption of 68W. Its compact design and quiet operation make it suitable for home or office environments.

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your NerdQaxe++ miner to ensure optimal performance and longevity.

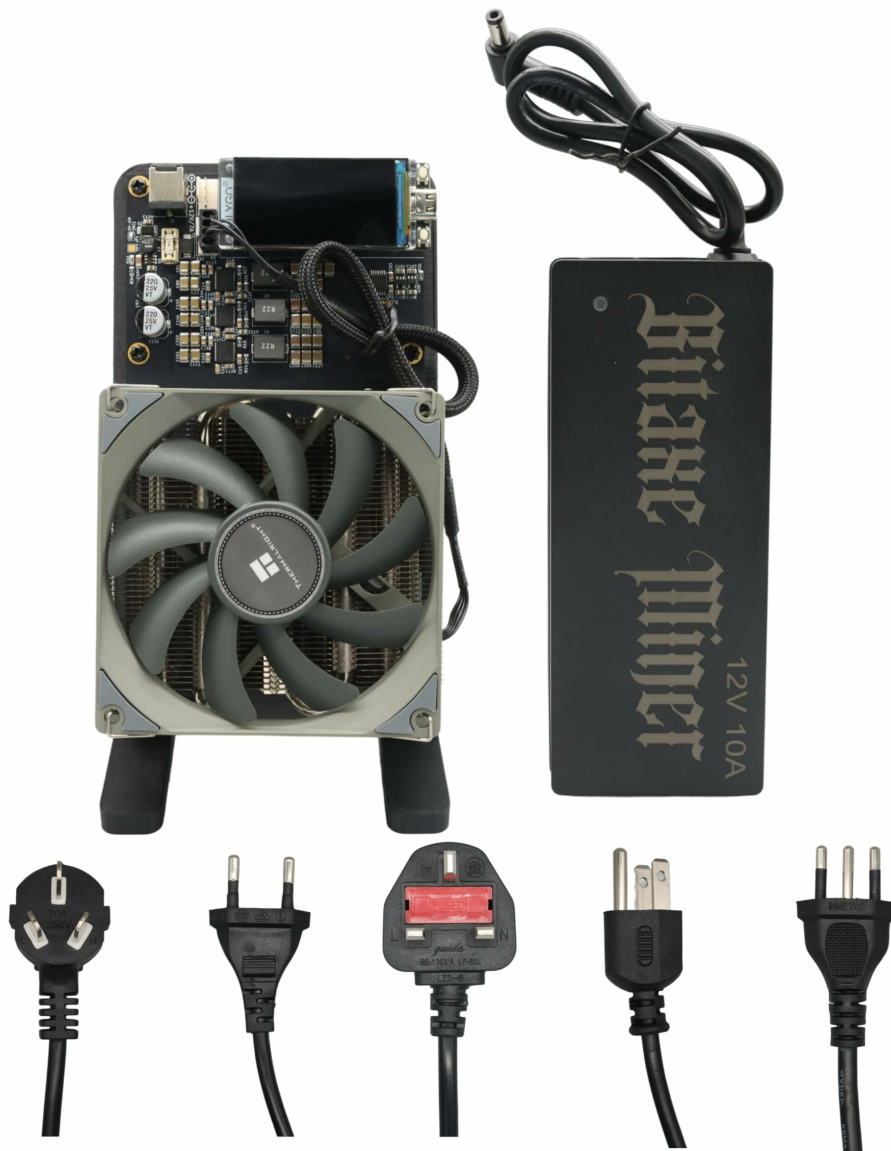


Figure 1: Bitaxe NerdQaxe++ Bitcoin Miner

2. SETUP

Follow these steps to set up your Bitaxe NerdQaxe++ miner:

1. **Unboxing:** Carefully remove the miner and its components from the packaging. Ensure all parts are present: the NerdQaxe++ unit, 12V 10A DC power supply, and any included cables.
2. **Placement:** Place the miner on a stable, flat surface with adequate ventilation. Ensure there is sufficient space around the unit for proper airflow, especially around the fan and heat sinks. The recommended operating temperature is 5-40°C and humidity is 10-65%.
3. **Power Connection:** Connect the provided 12V 10A DC power supply to the miner's power input port. Then, plug the power supply into a standard electrical outlet.
4. **Network Connection:** The NerdQaxe++ supports 2.4G WiFi for seamless wireless connectivity. Alternatively, you can use an Ethernet cable for a wired connection. Refer to the open-source software documentation for specific network configuration steps.
5. **Initial Configuration:** The device is designed for easy integration with open-source mining software and

mining pools. Access the device's web interface (usually via an IP address provided in the documentation or displayed on the unit's screen) to configure your mining pool settings and wallet address.



The image shows a Bitaxe NerdQaxe++ mining device. It is a small, black, rectangular circuit board with a fan on the left side, mounted on an orange, honeycomb-patterned stand. The device has various connectors and components visible on its surface. The background is dark purple with the text 'NerdMiner' in a light grey font at the top left.

NerdMiner NerdQaxe++ mining the SHA 256 algorithm has a maximum hash rate of 4.8Th/s at a power consumption of 68W. Weighing only 0.4 kgs, NerdQaxe++ gives an excellent efficiency of 15j/Th. The recommended temperature for NerdQaxe++ is 5 – 40 °C and the humidity is 10 – 65 %.

NerdQaxe++

Programmed for the SHA 256 algorithm, NerdMiner NerdQaxe++ is a premium Bitcoin miner. Lightweight, compact size, low power consumption, excellent energy efficiency and reduced noise level are some of the prime features of NerdMiner NerdQaxe++. Equipped with a high-speed fan, NerdMiner NerdQaxe++ dissipates heat instantly while delivering an optimal performance.

Figure 2: Bitaxe NerdQaxe++ in its stand, ready for operation.

Your browser does not support the video tag.

Video 1: A brief demonstration of the Bitcoin miner, highlighting its compact size and operation. This video is provided by the seller.

3. OPERATING INSTRUCTIONS

Once configured, the NerdQaxe++ operates continuously to mine Bitcoin. Here are key operational aspects:

- **Hashrate:** The miner delivers an impressive hashrate of 4320GH/S to 5280GH/S, optimized for solo BTC mining.
- **Power Consumption:** With a low power consumption of 68W, the device is highly energy-efficient, helping to reduce operating costs.
- **Quiet Operation:** Designed with advanced components and a low-noise fan, the miner operates quietly,

making it suitable for residential and office environments without causing disturbances.

- **Monitoring:** Utilize the built-in display or remote monitoring tools (via the web interface) to track your mining progress, hashrate, temperature, and other vital statistics.

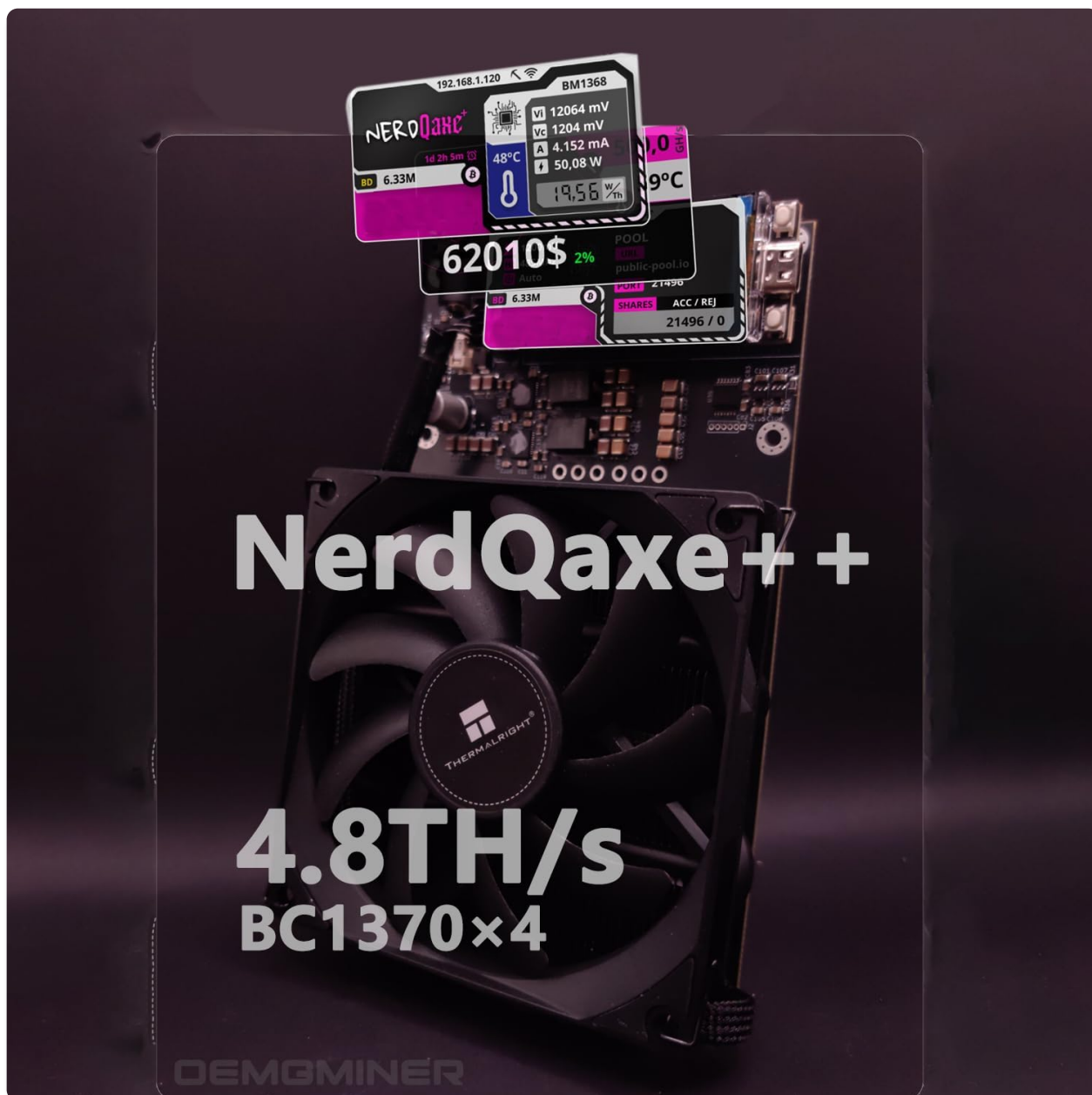


Figure 3: The miner's display showing real-time operational data.

4. MAINTENANCE

Proper maintenance ensures the longevity and efficiency of your miner:

- **Cooling System:** The miner features a dual ball-bearing fan for efficient heat dissipation. Regularly inspect the fan and air vents for dust accumulation. Clean them gently with compressed air or a soft brush to maintain optimal airflow.
- **Environmental Conditions:** Ensure the miner operates within the recommended temperature range of 5-40°C and humidity of 10-65% to prevent overheating and component damage.
- **Firmware Updates:** Periodically check the OEMGMINER website or the open-source community for any available firmware updates. Keeping your firmware updated can improve performance and stability.

5. TROUBLESHOOTING

If you encounter issues with your NerdQaxe++ miner, consider the following troubleshooting steps:

- **No Power:** Ensure the power supply is securely connected to both the miner and the electrical outlet. Verify the outlet is functional.
- **No Network Connection:** Check your WiFi connection or Ethernet cable. Ensure the miner is within range of your WiFi network or the Ethernet cable is properly plugged into a working router/switch. Restart your router if necessary.
- **Low Hashrate:** This could be due to network issues, outdated firmware, or high operating temperatures. Check your internet connection, update firmware, and ensure proper ventilation.
- **Overheating:** If the device feels excessively hot, ensure the fan is running and not obstructed. Improve ventilation around the unit. Consider moving it to a cooler environment.
- **Display Issues:** If the display is not showing information correctly, try restarting the miner. If the issue persists, consult the online community forums for open-source Bitaxe devices.

6. SPECIFICATIONS

Feature	Detail
Operating Humidity	10-65%
Product Dimensions	3.5 x 3 x 7 inches
Weight	0.4 kgs (approx.)

7. WARRANTY

The Bitaxe NerdQaxe++ Bitcoin Miner comes with a **90-day warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product functions as described under normal use. Please retain your proof of purchase for any warranty claims. Unauthorized modifications or improper use may void the warranty.

8. SUPPORT

For technical assistance, troubleshooting, or general inquiries regarding your Bitaxe NerdQaxe++ miner, please refer to the following resources:

- **Online Resources:** As an open-source device, a vibrant community supports the Bitaxe project. Search for official Bitaxe forums and documentation online for detailed guides and community support.
- **Manufacturer Support:** For direct support related to your OEMGMINER product, please visit the [OEMGMINER Store on Amazon](#) or contact their customer service as indicated on your product packaging.