MinerAsic Goldshell AE-BOX II ASIC Miner Owner's Manual

Contents

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Complete Guide to the **Goldshell AE-BOX II (54Mh/s)**

Introduction

The **Goldshell AE-BOX II** is an ASIC miner built for the zkSNARK algorithm, primarily designed to mine ALEO (Aleo). Offering a maximum hashrate of 54 Mh/s with a power consumption of 530W, it achieves impressive energy efficiency of 0.01 J/KH, making it an ideal choice for efficient zkSNARK mining. This guide will provide a comprehensive overview of the technical specifications, purchase options, best maintenance practices, safe overclocking methods, and other essential tips to optimize the use of the **Goldshell AE-BOX II**.

Technical Specifications of the Goldshell AE-BOX II (54Mh/s)

Main Features

- **Manufacturer:** Goldshell
- **Model:** AE-BOX II
- **Also Known As:** Goldshell AE-BOX ALEO Miner
- **Release Date:** February 2025
- **Mining Algorithm:** zkSNARK (ALEO)
- **Maximum Hashrate:** 54 Mh/s
- **Energy Consumption:** 530 W
- **AC Input Voltage:** N/A
- **Interface:** Ethernet / WiFi
- **Dimensions:** 198 x 150 x 95 mm
- **Weight:** 2300 g
- **Operating Humidity:** 5% – 95%
- **Cryptocurrencies Mineable:** ALEO coin using zkSNARK algorithm

Cryptocurrencies Mineable

The **Goldshell AE-BOX II** is designed to mine the ALEO coin using the zkSNARK algorithm.

Cryptocurrency Symbol Algorithm

ALEO ALEO zkSNARK

Where to Buy the **Goldshell AE-BOX II (54Mh/s)**

Purchase Options

You can buy the **Goldshell AE-BOX II** directly from the official Goldshell website or from trusted resellers. Always choose reliable channels to ensure the quality of the product and receive proper support.

Goldshell Official Store
www.goldshell.com
Direct purchase from the manufacturer

Premium Resellers
MinerAsic
Official warranty and support

ASIC Miner Price: Why **MinerAsic** is Your Best Choice

When purchasing an **ASIC miner**, it's essential to consider the price alongside other important factors like quality, reliability, and support. **MinerAsic** stands out as one of the leading global resellers, offering competitive prices without compromising on performance or service.

Why Choose

MinerAsic?

1. Top-Quality Products: MinerAsic offers high-performance miners from trusted brands, ensuring durability and efficiency.
2. Competitive Pricing: MinerAsic combines affordable prices with exceptional quality, providing the best long-term return on investment.
3. Expert Support: With professional installation assistance, troubleshooting, and reliable warranty coverage, MinerAsic ensures a seamless mining experience.
4. Global Trust: Known for its professionalism and customer service, MinerAsic is a trusted partner for miners worldwide.
   In short, **MinerAsic** delivers the perfect blend of quality, support, and value, making it a top choice for serious miners.

Maintenance

Goldshell AE-BOX II

Device Cleaning and Care
To keep your **Goldshell AE-BOX II** in perfect condition, follow a regular maintenance routine.

1. **Regular Cleaning**
   Dust can impair the performance of the cooling system. Clean the device every 1-2 months, or more often in dusty environments.

Method: Use a soft cloth, brush, or compressed air. Be careful not to damage internal components.

2. **Temperature Monitoring**

   Maintain the temperature between 5°C and 45°C to prevent overheating and damage to internal components.

   Solution: Place the miner in a well-ventilated area. Use additional cooling systems if necessary.

3. **Fan Inspection**

   Fans are critical for cooling. Check their operation every 3-4 months.

   Replacement: Replace defective fans immediately to prevent damage caused by overheating.

4. **Firmware Updates**

   Keeping the miner's firmware updated is essential to optimize performance and fix potential bugs. Frequency: Regularly check the "Firmware" section in the device's web interface.

Overclocking the **Goldshell AE-BOX II** (54Mh/s)

What is Overclocking?
Overclocking increases the miner's calculation speed (hashrate), but it requires caution to avoid long-term damage. By increasing the frequency, both energy consumption and heat production rise, so it's crucial to monitor these parameters carefully.

Overclocking Procedure

1. Access the miner's web interface via your browser by entering the device's IP address.
2. Go to the "Overclocking" section and gradually increase the clock frequency (by 5% at a time).
3. Carefully monitor the temperature and energy consumption to prevent damage.

Precautions for Overclocking

- Cooling: Increasing frequency generates more heat. Ensure your cooling system is adequate.
- Stability Testing: After each adjustment, test the device to ensure it is stable and operating correctly.

Tips for Optimal Use

1. **Initial Setup and Installation**
    1. Placement and Installation: Choose a well-ventilated area free of dust and away from direct heat sources to maximize efficiency.
    2. Use Certified Power Supplies: Use efficient power supplies to prevent energy losses and overloads.
2. **Troubleshooting Common Issues**
    1. Connection Issues: If you can't connect to the mining pool, check the IP settings and network connection.
    2. Hardware Failures: Identify common hardware failures, such as fan or power supply problems, and replace faulty components.
    3. Software Errors: For system errors or crashes, try restarting the miner or performing a software reset.
3. **Device Security**
    - Protection from External Attacks: To safeguard your miner from cyberattacks, use a VPN and configure a firewall on the device.
    - Security Updates: Ensure that the firmware is always up-to-date to fix security vulnerabilities and improve performance.

4. **Periodic Maintenance and Prevention**

   Check Cables and Connectors: In addition to cleaning and fan inspection, regularly check the power cables and connectors to prevent malfunctions.

The Importance of Maintaining Low Humidity Levels in Mining Rooms or Farms
Humidity management is a crucial aspect of ensuring the reliability, efficiency, and longevity of mining hardware. Excessive humidity can lead to corrosion, overheating, and electrical failures, which can damage your Goldshell AE-BOX II and other equipment. To maintain the optimal performance of your mining hardware, consider humidity control strategies such as using industrial dehumidifiers, ensuring adequate ventilation, and maintaining temperature control.

The Importance of a Holistic Approach to Choosing an ASIC Miner
When evaluating profitability, it's important to adopt a holistic approach. While high-performance **ASIC miners** like the **Goldshell AE-BOX II** may offer impressive hash rates and energy efficiency, there are other factors to consider, such as the cost of hardware, the algorithm used, and long-term viability. By factoring in all these elements, you can make a more informed decision and ensure the best return on investment.
By following these recommendations, you can maximize the performance of your **Goldshell AE-BOX II** (54Mh/s), ensuring a long operational life and maximizing your returns from cryptocurrency mining. The Goldshell **AE-BOX II** is an excellent choice for those looking to mine ALEO efficiently with the zkSNARK algorithm, offering exceptional performance and energy efficiency for both new and experienced miners.

FAQ

Where can I purchase the Goldshell AE-BOX II?

You can buy the Goldshell AE-BOX II directly from the official Goldshell website or from trusted resellers.

What is the maximum hashrate of the Goldshell AE-BOX II?

The maximum hashrate of the Goldshell AE-BOX II is 54 Mh/s.

Documents / Resources

	MinerAsic Goldshell AE-BOX II ASIC Miner [pdf] Owner's Manual AE-BOX II, Goldshell AE-BOX II ASIC Miner, Goldshell AE-BOX II, ASIC Miner, Miner

References

- Home - Goldshell Official
- MinerAsic- IT Trusted Vendor Cryptocurrency Mining Hardware
- User Manual