MinerAsic GoldShell AE-BOX High Performance ASIC Miner Owner's Manual

MinerAsic GoldShell AE-BOX High Performance ASIC Miner Owner's Manual

Complete Guide to the Goldshell AE-BOX (37 Mh/s)

Introduction

The **Goldshell AE-BOX** is an advanced and high-performance **ASIC miner** designed specifically for zkSNARK algorithms, primarily focusing on mining ALEO (Aleo). With a maximum hashrate of 37 Mh/s and power consumption of 360W, it delivers an impressive energy efficiency of 0.01 J/KH, making it an ideal choice for efficient zkSNARK mining. This guide offers a comprehensive overview of the technical specifications of the **Goldshell AE-BOX**, purchase options, maintenance practices, safe overclocking methods, and other key aspects to optimize the use of this device.

Technical Specifications of the Goldshell AE-BOX (37 Mh/s)
Main Features

Feature	Details
Manufacturer	Goldshell
Model	AE-BOX
Also Known As	Goldshell AE-BOX ALEO Miner
Release Date	Feb 2025
Mining Algorithm	zkSNARK
Maximum Hashrate	37 Mh/s
Energy Consumption	360W
AC Input Voltage	342~418V
Interface	Ethernet / Wifi
Dimensions	198 x 150 x 95 mm
Weight	2300g
Operating Temperature	5°C - 45°C
Operating Humidity	5% - 95%

Cryptocurrencies Mineable
The **Goldshell AE-BOX** supports mining cryptocurrencies that use the zkSNARK algorithm, including:

Cryptocurrency Symbol Algorithm

ALEO Aleo zkSNARK

Where to Buy the Goldshell AE-BOX (37 Mh/s)
Purchase Options

You can purchase the **Goldshell AE-BOX** directly from MinerAsic's official website. It's important to select reliable purchase channels to ensure product quality and to receive proper support.

Purchase Platform
Bitmain Official Store

Link
www.bitmain.com

Note
Direct purchase from the manufacturer

Purchase Platform
Premium Resellers

Link

Note
Official warranty and support

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

When purchasing an **ASIC miner**, price is important, but it's equally crucial to consider quality, reliability, and support. MinerAsic stands out as one of the leading global resellers, offering competitive prices without compromising 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 professionalism and customer service, MinerAsic is a trusted partner for miners worldwide.

In short, **MinerAsic** delivers a perfect blend of quality, support, and value, making it a top choice for serious miners.

Goldshell AE-BOX (37 Mh/s) Maintenance

Device Cleaning and Care

To keep your **Goldshell AE-BOX** in top 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, a brush, or compressed air. Be careful not to damage the 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 and use additional cooling systems if necessary.
3. **Fan Inspection**

   Cooling fans are critical. Check their operation every 3-4 months.
   - **Replacement**: Replace defective fans immediately to prevent damage caused by overheating.
4. **Firmware Updates**

   Updating the miner's firmware is essential for optimal performance and to fix potential bugs.
   - **Frequency**: Regularly check the "Firmware" section in the device's web interface.

Overclocking the Goldshell AE-BOX (37 Mh/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 stability and proper operation.

Tips for Optimal Use

1. **Initial Setup and Installation**
   - **Placement and Installation**: Choose a well-ventilated area free of dust and away from direct heat sources to maximize efficiency.
   - **Use Certified Power Supplies**: Prevent energy losses and overloads by using efficient power supplies.
2. **Troubleshooting Common Issues**
   - Connection Issues: If you can't connect to the mining pool, check the IP settings and network connection.
   - Hardware Failures: Identify and replace faulty components like fans or power supplies.
   - Software Errors: Restart the miner or perform a software reset for system errors.
3. **Device Security**
   - Protection from External Attacks: Use a VPN and configure a firewall on the device for added security.
   - Security Updates: Keep firmware up-to-date to fix vulnerabilities and improve performance.
4. **Periodic Maintenance and Prevention**
   - Check Cables and Connectors: Regularly inspect power cables and connectors to avoid malfunctions.

The Importance of Maintaining Low Humidity Levels in Mining Rooms or Farms

Humidity control is critical for ensuring the longevity and efficiency of mining devices like the **Goldshell AE- BOX**. Excessive humidity can cause various problems, including corrosion, overheating, and electrical failures.

Optimal Humidity Control

- **Humidity Monitoring**: Use professional hygrometers for real-time tracking of humidity levels.
- **Industrial Dehumidifiers**: Install dehumidifiers if your mining farm is in a humid area.
- **Ventilation and Temperature Control**: Ensure adequate airflow and stable temperatures to prevent condensation.

The Importance of a Holistic Approach to Choosing an ASIC Miner

When evaluating ASIC miners like the **Goldshell AE-BOX**, remember that profitability is influenced by various factors, not just hash rate and energy consumption. A holistic approach will help you make an informed decision based on your mining strategy, hardware cost, and long-term viability

By following these recommendations, you can maximize the performance of your **Goldshell AE-BOX**, ensuring its longevity and maximizing your cryptocurrency mining returns.

Contents

Documents / Resources

	MinerAsic GoldShell AE-BOX High Performance ASIC Miner [pdf] Owner's Manual AE-BOX, GoldShell AE-BOX High Performance ASIC Miner, GoldShell AE-BOX, High Performance ASIC Miner, ASIC Miner, Miner

References

- **BITMAIN**
- **MinerAsic- IT Trusted Vendor Cryptocurrency Mining Hardware**
- **User Manual**