OEMGMINER AVALON MINI 3

OEMGMINER Canaan Avalon Mini 3 BTC Heater Miner Instruction Manual

Model: AVALON MINI 3 | Brand: OEMGMINER

1. Product Overview

The Canaan Avalon Mini 3 is a dual-function device designed for both cryptocurrency mining and space heating. It offers a hash rate of 37.5 TH/s for Bitcoin mining and operates with an energy consumption of 800W. Engineered for home use, it features quiet operation with noise levels between 33 to 55 dB, making it suitable for living rooms or bedrooms. The device also functions as a space heater, capable of warming a 10 cubic meter room from 15°C (59°F) to 21°C (70°F) in approximately 10 minutes.
Key features include Wi-Fi connectivity for easy control via a mobile app, and it comes with Canaan's original power supply for stable operation. Its compact design (approximately 29.92 x 4.09 x 8.44 inches) allows for convenient placement.

2. Safety Information

- Ensure the device is placed on a stable, flat surface.
- Do not cover the air inlets or outlets to prevent overheating.
- Keep the device away from flammable materials.
- Operate within the specified voltage range (110V-240V).
- In case of accidental tipping, the power will automatically cut off to prevent fires.
- The device is designed for indoor use only.

3. Setup Instructions

3.1 Unboxing and Initial Placement

Carefully remove the Avalon Mini 3 from its packaging. Place the device on a stable, level surface in your desired location, ensuring adequate clearance around the air inlets and outlets for proper ventilation.



Figure 1: Avalon Mini 3 BTC Heater Miner in its packaging. The image shows the device being unboxed, highlighting its compact form factor.

3.2 Power Connection

Connect the provided Canaan original power supply to the device and then plug it into a compatible 110V-240V power outlet. Ensure the connection is secure.



Figure 2: Rear view of the Avalon Mini 3, illustrating the power input port and ventilation grilles.

3.3 Network Connection (Wi-Fi)

The Avalon Mini 3 supports Wi-Fi connectivity. Download the official Avalon Family App on your mobile device. Follow the in-app instructions to connect your device to your home Wi-Fi network. A QR code for setup may be included in the package or displayed on the device's LED screen during initial setup.



Figure 3: Screenshot of the Avalon Family App interface, showing options for controlling the device and monitoring mining status.

4. Operating Instructions

4.1 Powering On/Off

Press the power button located on the device to turn it on. The LED screen will illuminate, indicating the device is active. To power off, press and hold the power button until the device shuts down.



Figure 4: Close-up view of the Avalon Mini 3's power button and integrated LED screen, which displays operational information.

4.2 Using the Mobile App

The Avalon Family App provides comprehensive control over your device. Through the app, you can:

- Monitor mining performance (hash rate).
- Adjust temperature settings for the heating function.
- Switch between different operating modes (e.g., Mining mode, Night mode).
- Customize LED screen displays with pictures or animated images.

For more details, visit the official Avalon Family website:https://canaan.io/avalonfamily



Figure 5: The Avalon Family App displaying temperature control settings for the device's heating function.

4.3 Mining Modes

The device offers various modes to optimize performance based on your needs:

- **Mining Mode:** Maximizes computing power for Bitcoin mining.
- **Night Mode:** Reduces noise levels for quiet operation, suitable for bedrooms.
- **Heating Function:** Utilizes the heat generated from mining to warm your room. You can control the temperature via the app.

5. Maintenance

5.1 Cleaning

Regularly clean the air inlets and outlets to ensure optimal airflow and prevent dust buildup. Use a soft, dry cloth or a brush to gently remove dust. Do not use liquid cleaners directly on the device.

5.2 Firmware Updates

Periodically check the Avalon Family App or the OEMGMINER website for available firmware updates. Keeping your device's firmware up-to-date ensures optimal performance, security, and access to new features.

6. Troubleshooting

6.1 Device Not Powering On

- Check if the power cable is securely connected to both the device and the power outlet.

- Ensure the power outlet is functional by testing it with another device.
- Verify that the power supply unit is working correctly.

6.2 No Network Connection

- Confirm that your Wi-Fi router is powered on and functioning.
- Ensure the device is within range of your Wi-Fi network.
- Restart the device and attempt to reconnect via the Avalon Family App.
- Check your router settings for any restrictions that might prevent new devices from connecting.

6.3 Low Mining Performance

- Ensure the device has adequate ventilation and is not overheating.
- Check your internet connection stability and speed.
- Verify that the device is operating in the appropriate mining mode via the app.

7. Specifications

Feature	Detail
Brand	OEMGMINER
Model Number	AVALON MINI 3
Hash Rate	37.5 TH/s
Power Consumption	800 Watts
Voltage	110V-240V
Noise Level	33 to 55 dB
Product Dimensions	29.92"D x 8.44"W x 4.09"H
Heating Coverage	4.17 square meters
Min Temperature Setting	15 Degrees Celsius
Max Temperature Setting	70 Degrees Fahrenheit
Special Feature	Wi-Fi Enabled
Indoor/Outdoor Usage	Indoor

8. Product Images



Front view of the Canaan Avalon Mini 3 BTC Heater Miner, showcasing its sleek design and central "canaan" branding.



Figure 1: Avalon Mini 3 BTC Heater Miner in its packaging. The image shows the device being unboxed, highlighting its compact form factor.



Figure 2: Rear view of the Avalon Mini 3, illustrating the power input port and ventilation grilles.



Figure 4: Close-up view of the Avalon Mini 3's power button and integrated LED screen, which displays operational information.

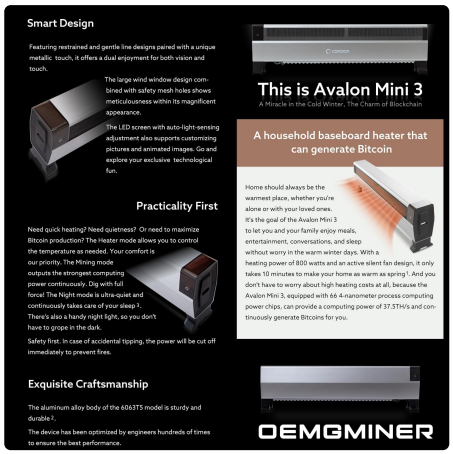
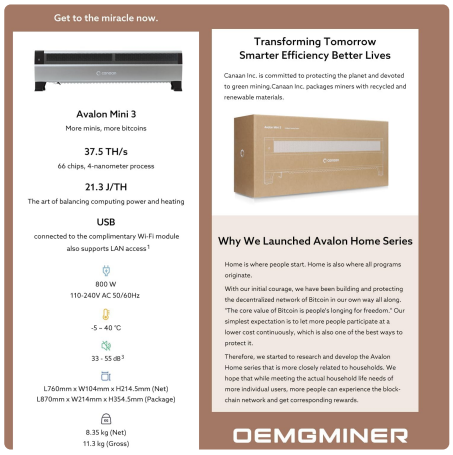


Diagram illustrating the dimensions of the Avalon Mini 3, including length, width, and height in both millimeters and inches.



Detailed specifications of the Avalon Mini 3, including hash rate, power, voltage, temperature range, noise level, and weight.

9. Product Videos

Avalon Mini 3 Overview

Your browser does not support the video tag.

This video provides an overview of the Avalon Mini 3, showcasing its sleek design, hash rate, and dual functionality as a Bitcoin miner and home heater. It highlights its quiet operation and smart temperature control features.

Avalon Nano 3s Overview (Related Product)

Your browser does not support the video tag.

This video presents the Avalon Nano 3s, a related product from Canaan, demonstrating its compact size and features for home Bitcoin mining. While not the exact model, it illustrates the user experience with similar devices.

Avalon Q 90TH/s Bitcoin Miner (Related Product)

Your browser does not support the video tag.

This video showcases the Avalon Q, another Bitcoin miner from Canaan, emphasizing its quiet operation and suitability for various home and office environments. It provides context for the brand's home mining solutions.

10. Warranty and Support

For warranty information and technical support, please refer to the documentation included with your product or visit the official OEMGMINER website. You may also contact OEMGMINER customer service directly for assistance.

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