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› New Canaan Avalon Nano 3 Bitcoin Miner User Manual

## OEMGMINER Avalon Nano 3

# New Canaan Avalon Nano 3 Bitcoin Miner User Manual

Model: Avalon Nano 3 | Brand: OEMGMINER

## 1. PRODUCT OVERVIEW

The New Canaan Avalon Nano 3 is a compact and quiet Bitcoin ASIC miner designed for residential use. It utilizes the SHA-256 algorithm for direct Bitcoin mining, offering a hash rate of 4 Th/s with a power consumption of 140W. Its design includes an information display screen for easy monitoring and a simple setup process, making it suitable for both beginners and experienced users.

Key features include:

- Designed for residential spaces, featuring the SHA-256 algorithm.
- Eye-catching design with an information display screen and simple setup.
- Hash rate of 4 Th/s and power consumption of 140W.
- Low energy efficiency of approximately 35 J/TH.
- Noise level of 36dB for quiet operation.
- Supports connection to Canaan's mining pool for simplified withdrawals via the Lightning Network.

## 2. PACKAGE CONTENTS

Upon unboxing, ensure all components are present and in good condition. The standard package includes:

- Avalon Nano 3 Bitcoin Miner unit
- Power Supply Unit (PSU)
- Power Cable



Image: The Avalon Nano 3 Bitcoin Miner unit shown with its included power supply unit and power cable.

### 3. SETUP GUIDE

Follow these steps to set up your Avalon Nano 3 miner:

1. **Connect Power Supply:** Connect the provided Type-C (28V, 5A) power supply to the miner. Ensure the connection is secure.
2. **Network Connection:** The Avalon Nano 3 requires a wired internet connection for optimal performance. Connect an Ethernet cable from your router or network switch to the miner's network port.
3. **Power On:** Long press the power button on the miner to turn it on. The display screen will illuminate.
4. **Initial Configuration:** For initial setup and management, download the Avalon Remote App. The app allows for easy configuration of networking and operating modes.



Image: Diagram illustrating the main components of the Avalon Nano 3, including the logo, monitor, mode switch, and power button.

# What is Avalon Nano 3

Avalon Nano 3 is developed and produced by the NASDAQ-listed company Canaan Inc. and belongs to the Avalon product line.

Think about all our confusion during winter: fresh steaming tea cools down in a minute; got cold hands and feet in front of the computer all the time, staring at the ceiling before going to bed and feeling like lacking of warm vibes. Well, guess what? With Avalon Nano 3, all the troubles in winter are readily solved, and you can obtain a warm and unique little world of your own. Feeling unbelievable? This is Avalon Nano 3!

## Minimalist Design · Exquisite Craftsmanship



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Stretch your cold fist

\$0.12/day is all you need

Plug, heat, and earn \$0.3 each day

This is Avalon Nano 3

\*based on the avg US residential electricity price

Image: Screenshots of the Avalon Remote App interface, showing device management, heater control, and device search functionalities.

## 4. OPERATION

Once powered on and connected to the network, your Avalon Nano 3 will begin its operation. The device is designed for continuous mining with stable hash rate performance.

- **Power On/Off:** A long press on the power button initiates power on. To power off, long press the power button again.
- **Switching Modes:** Use the mode switch button to cycle through different operating modes (e.g., low, mid, high hash rate settings). The display screen will show the current mode and hash rate.
- **Monitoring:** The integrated display screen provides real-time information such as IP address, current time, and hash rate.
- **Remote Management:** Utilize the Avalon Remote App for comprehensive control and monitoring of your miner, including networking settings and operational modes.

Your browser does not support the video tag.

Video: An official product video demonstrating the physical appearance of the Avalon Nano 3, its power supply, and the process of powering it on and switching between operational modes, showcasing the display screen's real-time data.

## 5. MAINTENANCE

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To ensure the longevity and optimal performance of your Avalon Nano 3 miner, regular maintenance is recommended:

- **Ventilation:** Ensure the air outlet and intake vents are clear of obstructions. The miner produces soft wind at 40-60°C, indicating proper heat dissipation. Adequate airflow is crucial to prevent overheating.
- **Cleaning:** Periodically clean the exterior of the miner and gently clear any dust accumulation from the vents using a soft brush or compressed air.
- **Environment:** Operate the miner in a well-ventilated area with stable temperature and humidity to prevent damage and ensure efficient operation.

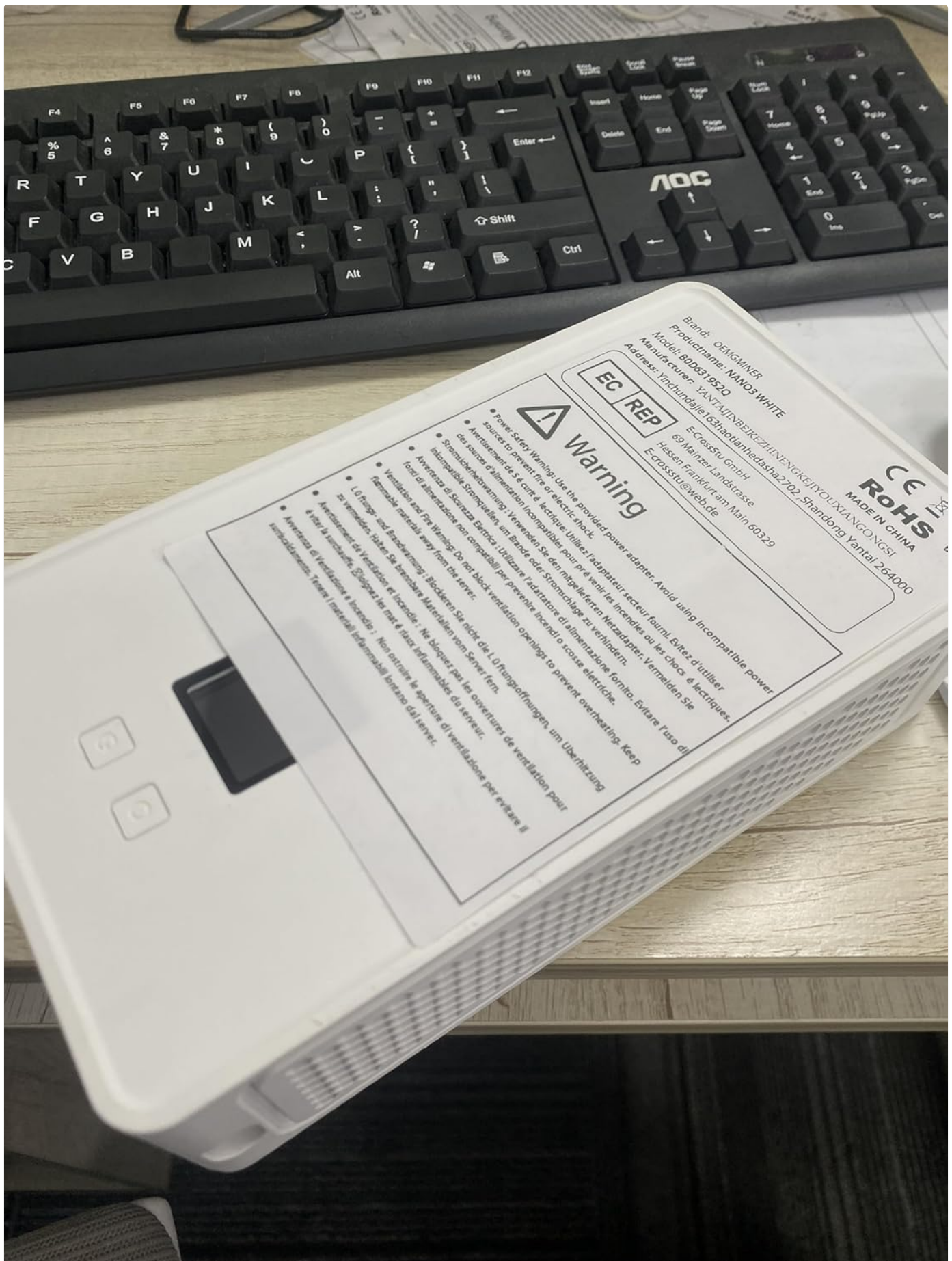


Image: A warning label affixed to the Avalon Nano 3, advising against blocking ventilation openings to prevent overheating and to keep flammable materials away.

## 6. TROUBLESHOOTING

If you encounter issues with your Avalon Nano 3, consider the following common solutions:

Problem	Possible Cause / Solution
Miner does not power on.	Ensure the power supply is correctly connected and the power outlet is functional. Verify the power supply unit is providing the correct voltage (28V, 5A). Long press the power button for several seconds.
No network connection / Cannot access miner via app.	Check the Ethernet cable connection to both the miner and your router. Ensure your network is active and providing internet access. If using an Xfinity router, some users have reported issues; try connecting via a mobile hotspot for initial setup if necessary, then configure static IP. Restart your router and the miner.
Low hash rate or unstable operation.	Ensure proper ventilation; clear any obstructions from air vents. Check the ambient temperature; excessive heat can reduce performance. Verify the power supply is stable and providing sufficient power. Switch between different operating modes using the mode button.
Miner is overheating.	Ensure the miner is placed in a well-ventilated area. Check that the air inlet and outlet are not blocked. Consider adding external cooling if operating in a warm environment.

## 7. TECHNICAL SPECIFICATIONS

Specification	Value
Model	Avalon Nano 3
Algorithm	SHA-256
Hash Rate	4 Th/s
Power Consumption (TDP)	140W (Max)
Energy Efficiency	~35 J/TH
Input Voltage	28V DC, 5A
Noise Level	36dB
Net Dimensions	205 x 115 x 57 mm (8.07 x 4.53 x 2.24 inches)
Net Weight	~725g (1.6 lbs)
Cooling Method	Air
Air Outlet Temperature	40-60°C

# Avalon Nano 3

## Specifications

Net Dimensions	205*115*57(mm)
Net Weight	≈725g
Gross Dimensions	247*157*87.5(mm)
Gross Weight	≈1000g
Input Voltage	28V
Power Consumption	140W ( Max )
Hertz	50/60Hz
Hashrate	4T/ 29J
Air Outlet Temperature	40°C~60°C
Noise	33~36dB

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### \*Power Consumption

The Avalon Nano 3 can be configured to using 140W,100W or65W of power.

The Avalon Nano 3 is compatible with 65W,100W and 140W PSU models.Please note that a 100W PSU only supports using at 100W or 65W.and a65W PSU only supports using at 65W. The power supply contained in the"full set"perk is a 140W power supply.

Image: A detailed table of technical specifications for the Avalon Nano 3, including dimensions, weight, power consumption, hash rate, and noise level.

## 8. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your Avalon Nano 3 miner, please contact OEMGMINER customer service. Refer to the product packaging or the official OEMGMINER website for the most up-to-date contact details.

It is recommended to keep your purchase receipt as proof of purchase for warranty claims.

