

Antminer L7

BITMAIN Antminer L7 9050M ASIC Miner User Manual

Model: L7 9050M

1. IMPORTANT SAFETY INFORMATION

Please read all safety instructions carefully before operating the Antminer L7. Failure to follow these instructions may result in electric shock, fire, or damage to the device.

- **Power Supply:** The Antminer L7 requires a **200-240V AC** input voltage. Using an incorrect voltage (e.g., 110V) will likely cause severe damage to the miner.
- **Power Cord:** The power cord is **NOT INCLUDED** with the unit. Ensure you use an appropriate power cord rated for the required voltage and current.
- **Ventilation:** Ensure adequate airflow around the miner to prevent overheating. Do not block air vents.
- **Environment:** Operate the miner within the specified temperature and humidity ranges.
- **Professional Installation:** If you are unsure about electrical connections, consult a qualified electrician.



Image 1.1: Antminer L7 unit displaying a 220V AC warning label, emphasizing the required input voltage for safe operation.

2. PRODUCT OVERVIEW

The BITMAIN Antminer L7 9050M is an ASIC (Application-Specific Integrated Circuit) miner designed for cryptocurrency mining, specifically targeting Litecoin (LTC) and Dogecoin (DOGE) using the Scrypt algorithm. It features high hashrate capabilities and an air-cooling system for stable operation.



Image 2.1: Front-side view of the Antminer L7 ASIC miner, showcasing its compact design and integrated cooling fans.

Key Features

- **High Hashrate:** Delivers approximately 9050 MH/s for Scrypt algorithm mining.
- **Energy Efficiency:** Operates at an efficiency of approximately 0.36 J/TH.
- **Dual Crypto Mining:** Capable of mining both Litecoin (LTC) and Dogecoin (DOGE) simultaneously.
- **Air-Cooling System:** Equipped with advanced cooling technology for maintaining optimal operating temperatures.
- **Robust Design:** Built for continuous operation in demanding mining environments.

3. SPECIFICATIONS

The following table details the technical specifications of the Antminer L7 9050M.

Characteristic	Value
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Characteristic	Value
Model	L7
Algorithm Cryptocurrency	Script LTC+DOGE
Hashrate	9050 MH/s $\pm 3\%$
Power on wall @77°F(25°C)	3260 W $\pm 10\%$
Power efficiency on wall @77°F(25°C)	0.36 J/TH $\pm 10\%$
Power supply AC Input voltage	200~240 V
Power supply AC Input Frequency Range	47~63 Hz
Power supply AC Input current	20 Amp
Networking connection mode	Ethernet 10/100M
Miner Size (L*W*H, w/o package)	14.57 x 7.70 x 11.42 inches
Miner Size (L*W*H, with package)	22.45 x 12.45 x 16.93 inches
Net weight	29.77 lbs
Gross weight	33.07 lbs
Operation temperature	32~113°F (0~45°C)
Storage temperature	-4~158°F (-20~70°C)
Cooling Method	Air
Connector Type	C13/C14
Form Factor	ATX
Power Supply Design	Non-Modular

4. SETUP

4.1 Unpacking

Carefully remove the Antminer L7 from its packaging. Inspect the unit for any signs of physical damage that may have occurred during transit. Retain the original packaging for future transport or warranty claims.

4.2 Power Connection

The Antminer L7 requires a 200-240V AC power supply. Ensure your electrical infrastructure can provide this voltage and sufficient amperage (20 Amp). Connect the appropriate C13/C14 power cables (not included) to the miner's power input ports and then to a suitable power outlet. **Do not attempt to operate the miner on 110V AC.**



Image 4.1: Rear view of the Antminer L7, illustrating the power input ports and the arrangement of the cooling fans.

4.3 Network Connection

Connect an Ethernet cable from your network router or switch to the Ethernet port on the Antminer L7 control board. The miner supports 10/100M Ethernet connections.



Image 4.2: Close-up view of the Antminer L7 control board, highlighting the Ethernet port, IP Report button, and status indicator lights (Fault, Normal).

4.4 Initial Configuration

After connecting power and network, power on the miner. You will typically access the miner's web interface via its IP address to configure mining pool settings, worker names, and passwords. Refer to the official

BITMAIN documentation or support resources for detailed instructions on accessing and configuring the web interface.

5. OPERATION

5.1 Starting the Miner

Once configured, the miner will automatically begin the mining process. Monitor the status indicator lights on the control board. A 'Normal' light indicates proper operation, while a 'Fault' light suggests an issue.

5.2 Monitoring Performance

Regularly check the miner's performance through its web interface or your chosen mining pool dashboard. Key metrics to monitor include hashrate, temperature, and fan speed. Ensure these values remain within acceptable operating ranges.

5.3 Algorithm and Cryptocurrency

The Antminer L7 is designed to mine cryptocurrencies that utilize the Scrypt algorithm, primarily Litecoin (LTC) and Dogecoin (DOGE). It can mine both simultaneously, contributing to a diversified mining output.

6. MAINTENANCE

6.1 Cleaning

Periodically clean the miner to prevent dust buildup on fans and heatsinks, which can impede cooling efficiency. Use compressed air to gently remove dust from the exterior and fan blades. Ensure the miner is powered off and unplugged before cleaning.

6.2 Environmental Requirements

Maintain the operating environment within the specified ranges:

- **Operation Temperature:** 32°F to 113°F (0°C to 45°C)
- **Storage Temperature:** -4°F to 158°F (-20°C to 70°C)
- **Humidity:** Avoid high humidity environments to prevent condensation and potential damage to electronic components.

7. TROUBLESHOOTING

This section provides general guidance for common issues. For specific technical problems, refer to BITMAIN's official support resources.

- **Miner Not Powering On:** Verify power cable connections and ensure the power supply is receiving the correct 200-240V AC input. Check circuit breakers.
- **No Network Connection:** Check the Ethernet cable connection. Ensure your router/switch is functioning correctly. Verify the miner's IP address and network settings.
- **Low Hashrate:** This can be caused by high temperatures, outdated firmware, incorrect mining pool settings, or hardware issues. Check temperatures and fan speeds.
- **Overheating:** Ensure adequate ventilation. Clean dust from fans and heatsinks. Verify ambient room temperature is within operating limits.

- **Fault Light On:** A fault light indicates a hardware issue. Consult the BITMAIN support documentation for specific error codes or diagnostic procedures.

8. WARRANTY AND SUPPORT





For brand new BITMAIN Antminer units, warranty coverage is provided directly by BITMAIN. Customers are required to proactively contact BITMAIN's official website for assistance with warranty claims or technical support.



Restocking Fee Notice: Please be aware that for brand new BITMAIN Antminer units, if a return is not due to product quality issues, a 40% restocking fee may be applied. Carefully consider your purchase before making a decision.

For the latest support information, firmware updates, and detailed troubleshooting guides, please visit the official BITMAIN website: www.bitmain.com

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Related Documents - L7

	<p>Quickly Get to Know Your L7 Car Security Camera</p> <p>A guide to understanding and setting up the L7 Car Security Camera, an intelligent in-vehicle security device with dual-direction radar and motion detection sensors, connecting via 4G LTE to app and cloud services.</p>
	<p>Spray Desktop Air Conditioning Fan L7 Specifications and Features</p> <p>Detailed specifications for the Spray Desktop Air Conditioning Fan L7, including battery capacity, material, power, water tank capacity, fan and atomization gears, dimensions, and weight.</p>
	<p>Complete Guide to Bitmain Antminer L7 (9300Mh/s): Specifications, Maintenance, and Optimization</p> <p>A comprehensive guide to the Bitmain Antminer L7 (9300Mh/s) ASIC miner, detailing its technical specifications, supported cryptocurrencies, purchase options, essential maintenance practices, safe overclocking methods, troubleshooting tips, and humidity control strategies for optimal performance and profitability in cryptocurrency mining.</p>
	<p>Bitmain Antminer L9 17.6 GH/s: Complete Guide, Specifications, and Optimization</p> <p>A comprehensive guide to the Bitmain Antminer L9 ASIC miner, detailing its technical specifications, supported Scrypt-based cryptocurrencies, purchase options, essential maintenance practices, and overclocking procedures for optimal mining performance.</p>

 <p>Compare Goldshell Mini-DOGE III ASIC Miner</p> <p>Model: Mini-DOGE III</p> <p>Manufacturer: Goldshell</p> <p>Product Description: The Goldshell Mini-DOGE III is a compact, powerful ASIC miner designed for efficient Bitcoin mining. It features a robust aluminum casing, multiple cooling fans, and a user-friendly interface. The miner is compatible with Bitcoin and other cryptocurrencies. It is a reliable choice for both beginners and experienced miners.</p> <p>Technical Specifications: The Goldshell Mini-DOGE III has a hash rate of 1.2 TH/s and a power consumption of 1500W. It is compatible with Bitcoin and other cryptocurrencies. It is a reliable choice for both beginners and experienced miners.</p>	<p>Goldshell Mini-DOGE III ASIC Miner: Comprehensive Guide, Specs, and Maintenance</p> <p>A comprehensive guide to the Goldshell Mini-DOGE III ASIC miner, covering its specifications, supported cryptocurrencies, purchase options, maintenance, overclocking, and optimal usage tips.</p>
 <p>Compare Antminer L7 (9050Mh/s) ASIC Miner</p> <p>Model: Antminer L7 (9050Mh/s)</p> <p>Manufacturer: Bitmain</p> <p>Product Description: The Antminer L7 (9050Mh/s) is a high-performance ASIC miner designed for Bitcoin mining. It features a compact design, multiple cooling fans, and a user-friendly interface. The miner is compatible with Bitcoin and other cryptocurrencies. It is a reliable choice for both beginners and experienced miners.</p> <p>Technical Specifications: The Antminer L7 (9050Mh/s) has a hash rate of 9050Mh/s and a power consumption of 1500W. It is compatible with Bitcoin and other cryptocurrencies. It is a reliable choice for both beginners and experienced miners.</p>	<p>Antminer L7 (9050Mh/s) Profitability, Maintenance, and Overclocking Guide</p> <p>A comprehensive guide to the Bitmain Antminer L7 (9050Mh/s) ASIC miner, covering technical specifications, purchase options, maintenance, overclocking, and humidity control for optimal cryptocurrency mining performance.</p>