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MicroBT M61S

WhatsMiner M61S User Manual

Comprehensive guide for the MicroBT WhatsMiner M61S SHA-256 BTC Miner

1. PRODUCT OVERVIEW

The MicroBT WhatsMiner M61S is a high-performance cryptocurrency mining device designed for the SHA-256 algorithm, primarily used for Bitcoin (BTC) mining. This unit features a powerful 224 TH/s hashrate and operates with a power consumption of 4200W. It is engineered for efficient and stable mining operations.



Figure 1: Front and side view of the WhatsMiner M61S, showcasing its compact design and cooling fan.

Key features include:

- **High Hashrate:** 224 TH/s for efficient SHA-256 mining.
- **Power Efficiency:** 4200W power consumption, designed for 220-240V AC input.
- **Robust Cooling:** Equipped with multiple fans to maintain optimal operating temperatures.
- **Compact Design:** Dimensions of 430 x 155 x 226mm, suitable for various setups.

2. SETUP AND INSTALLATION

Before powering on your WhatsMiner M61S, ensure you have a stable power supply and a reliable internet connection. Proper ventilation is crucial for optimal performance and longevity of the device.

2.1 Unpacking and Inspection

1. Carefully remove the miner from its packaging.
2. Inspect the unit for any signs of physical damage during transit. If damage is found, contact your vendor immediately.
3. Verify all components are present: WhatsMiner M61S unit, and integrated Power Supply Unit (PSU).

2.2 Connecting Power

The WhatsMiner M61S requires a 220-240V AC power source. Use the provided power cable to connect the miner to a

suitable power outlet. Ensure the power circuit can handle the 4200W load.

2.3 Network Connection

Connect an Ethernet cable from your router or network switch to the Ethernet port on the miner's control board. A stable wired connection is essential for consistent mining operations.



Figure 2: Rear view of the WhatsMiner M61S, highlighting the Ethernet port, reset button, IP Found button, and TF card slot.



Figure 3: Side view of the WhatsMiner M61S, showing the power input socket and overall chassis design.

3. OPERATING INSTRUCTIONS

3.1 Initial Power On

Once power and network cables are connected, switch on the power supply. The miner will begin its boot sequence. Allow a few minutes for the system to initialize.

3.2 Accessing the Web Interface

To configure your miner, you will need to access its web interface. You can find the miner's IP address using an IP scanner tool on your network or by pressing the "IP Found" button on the control board (refer to Figure 2) and checking your router's DHCP client list.

1. Open a web browser and enter the miner's IP address in the address bar.
2. Log in using the default credentials (refer to the manufacturer's documentation for default username and password, typically "admin" for both).

3.3 Configuration for Mining

Within the web interface, navigate to the "Miner Configuration" or "Pool Settings" section. Enter your mining pool URL, worker name, and password. Save the settings and restart the miner if prompted. The miner should then begin hashing.

4. MAINTENANCE

Regular maintenance ensures the longevity and stable performance of your WhatsMiner M61S.

4.1 Environmental Conditions

- **Temperature:** Maintain an ambient temperature between -5°C and 35°C (23°F to 95°F). Avoid direct sunlight or placement near heat sources.
- **Humidity:** Keep humidity levels between 5% and 95% (non-condensing). High humidity can lead to corrosion.
- **Dust:** Operate the miner in a clean, dust-free environment as much as possible.

4.2 Cleaning

Periodically clean the miner to prevent dust buildup, which can impede airflow and lead to overheating.

- Disconnect power before cleaning.
- Use compressed air to clear dust from fans, heatsinks, and vents.
- Wipe the exterior with a dry, soft cloth. Do not use liquid cleaners.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your WhatsMiner M61S.

Problem	Possible Cause	Solution
Miner not powering on	No power, faulty power cable, PSU issue.	Check power connections, test power outlet, ensure PSU is properly connected.
No network connection	Loose Ethernet cable, router issue, incorrect IP settings.	Verify Ethernet cable connection, restart router, check miner's IP configuration.
Low hashrate or no hashing	Incorrect pool settings, network issues, hardware fault.	Double-check pool URL, worker name, and password. Ensure stable internet. Check miner logs for hardware errors.
Overheating	Poor ventilation, dust buildup, high ambient temperature.	Improve airflow, clean fans and heatsinks, lower ambient room temperature.

6. TECHNICAL SPECIFICATIONS

Detailed specifications for the WhatsMiner M61S:

Feature	Specification
Manufacturer	MicroBT
Model	WhatsMiner M61S
Algorithm	SHA-256
Hashrate	224 TH/s
Power Consumption	4200W
Voltage Input	220-240V AC

Feature	Specification
Dimensions (L x W x H)	430 x 155 x 226mm (16.93 x 6.1 x 8.9 inches)
Weight	13.5 kg (29.7 pounds)
Noise Level	75db
Cooling Method	Air Cooling (2 Fans)
Interface	Ethernet
Operating Temperature	-5°C to 35°C (23°F to 95°F)
Operating Humidity	5% to 95% (non-condensing)
Chip Size	5nm

7. WARRANTY AND SUPPORT

MicroBT provides a one-year warranty period for the WhatsMiner M61S, covering repair services within the scope of the warranty terms. It is important to note that due to the special nature of mining products, returns are generally not accepted unless due to product failure. If a return is accepted for reasons not related to product failure, a 30% return fee may be charged.

For technical support or warranty claims, please contact MicroBT's official support channels or your authorized reseller. Ensure you have your purchase details and the miner's serial number readily available.

Please be aware that local taxes or customs duties may apply upon import. Users are responsible for adhering to their local customs regulations to avoid additional fees.