

MinerXpert X16-Q 1950MH

Jasminer X16-Q Series Miner Instruction Manual

Model: X16-Q 1950MH

Brand: MinerXpert

1. PRODUCT OVERVIEW

The Jasminer X16-Q is a high-throughput, ultra-quiet 3U server designed for cryptocurrency mining, specifically compatible with ETC (Ethereum Classic), ETHF, and ZIL. This model, the 1950MH version, offers efficient mining performance with low power consumption and a quiet operation, making it suitable for various environments, including home use.



Figure 1.1: Front-side view of the Jasminer X16-Q Miner, showcasing its compact 3U server design and front ventilation.



Figure 1.2: The Jasminer X16-Q High Throughput 3U Quiet Server, highlighting its 1950 MH/s hashrate, 620W power consumption, 0.32 J/MH power efficiency, and 40 dB noise level.

2. KEY FEATURES

- **High Throughput:** Achieves 1950MH/s hashrate for efficient mining operations.
- **Ultra-Quiet Operation:** Designed for low noise levels, making it suitable for environments where noise reduction is critical, such as home mining setups.
- **Energy Efficient:** Operates at 620W, contributing to lower electricity costs.
- **Compact 3U Form Factor:** Space-saving design for easy integration into server racks or compact setups.
- **Durable Build Quality:** Constructed with high-quality components for longevity and reliability in continuous operation.
- **User-Friendly Setup:** Features a simple plug-and-play setup for straightforward deployment.
- **Wi-Fi Version:** Includes Wi-Fi connectivity for flexible networking options.
- **Wide Voltage Compatibility:** Compatible with 100V-240V power supplies.

3. SPECIFICATIONS

Attribute	Value
Crypto Algorithm	ETCHASH & ETHASH
Hashrate	1950 MH/s $\pm 10\%$
Memory	8G
Power Consumption	620 W $\pm 10\%$

Attribute	Value
Power Efficiency	0.32 J/MH $\pm$ 10% (25°C ambient temperature)
Cooling Method	Air-cooled
Networking Connection Mode	RJ45 Ethernet 10/100/1000M, Wi-Fi
Operating Temperature	0-40°C
Working Voltage	100-240V AC
Noise Level	$\leq$ 40 dB
Form Factor	3U Server
Product Dimensions (L x W x H)	13.78 x 7.87 x 17.72 inches (350 x 200 x 450 mm approx.)

MINERXPERT

X16-Q

JASMINER

Configuration	
Crypto Algorithm	ETCHASHÐASH
Hashrate	1950MH/s $\pm$ 10%
Memory	8G
Power Consumption	620 $\pm$ 10%(watt)
Power Efficiency	0.32 $\pm$ 10%(25°C ambient temperature, J/MH)
Cooling Way	air-cooled
Networking Connection Mode	RJ45 Ethernet 10/100/1000M
Operating Temperature	0-40°C
Working Voltage	200 ~ 240V
Noise	$\leq$ 40db
Shape	3U server

Figure 3.1: Detailed configuration table for the Jasminer X16-Q miner, summarizing its technical specifications.

4. SETUP GUIDE

4.1 Unpacking and Inspection

1. Carefully remove the Jasminer X16-Q miner from its packaging.
2. Inspect the unit for any visible damage that may have occurred during shipping. If damage is found, contact your vendor immediately.
3. Ensure all components are present. Typically, the package includes the Jasminer X16-Q miner unit and a power cable. (Note: Specific package contents may vary; refer to your purchase documentation.)

4.2 Placement and Environment

- Place the miner in a well-ventilated area to ensure proper airflow and heat dissipation.
- Maintain an ambient temperature between 0°C and 40°C (32°F and 104°F) to optimize performance and longevity.
- Avoid placing the miner in direct sunlight, near heat sources, or in excessively dusty or humid environments.
- Ensure the surface is stable and level to prevent accidental tipping.

4.3 Power Connection

1. Connect the provided power cable to the power input port on the miner.
2. Plug the other end of the power cable into a compatible 100V-240V AC power outlet. Ensure the power outlet can supply the required 620W.
3. *Important:* Use a dedicated power circuit if possible to avoid overloading household circuits, especially when running multiple miners.

4.4 Network Connection

- **Ethernet Connection:** Connect an RJ45 Ethernet cable from the miner's Ethernet port to your network router or switch.
- **Wi-Fi Connection:** For Wi-Fi setup, ensure the Wi-Fi antenna is securely attached to the designated port on the miner. Initial Wi-Fi configuration may require a wired connection or access via a web interface. Refer to the operating instructions for detailed Wi-Fi setup.

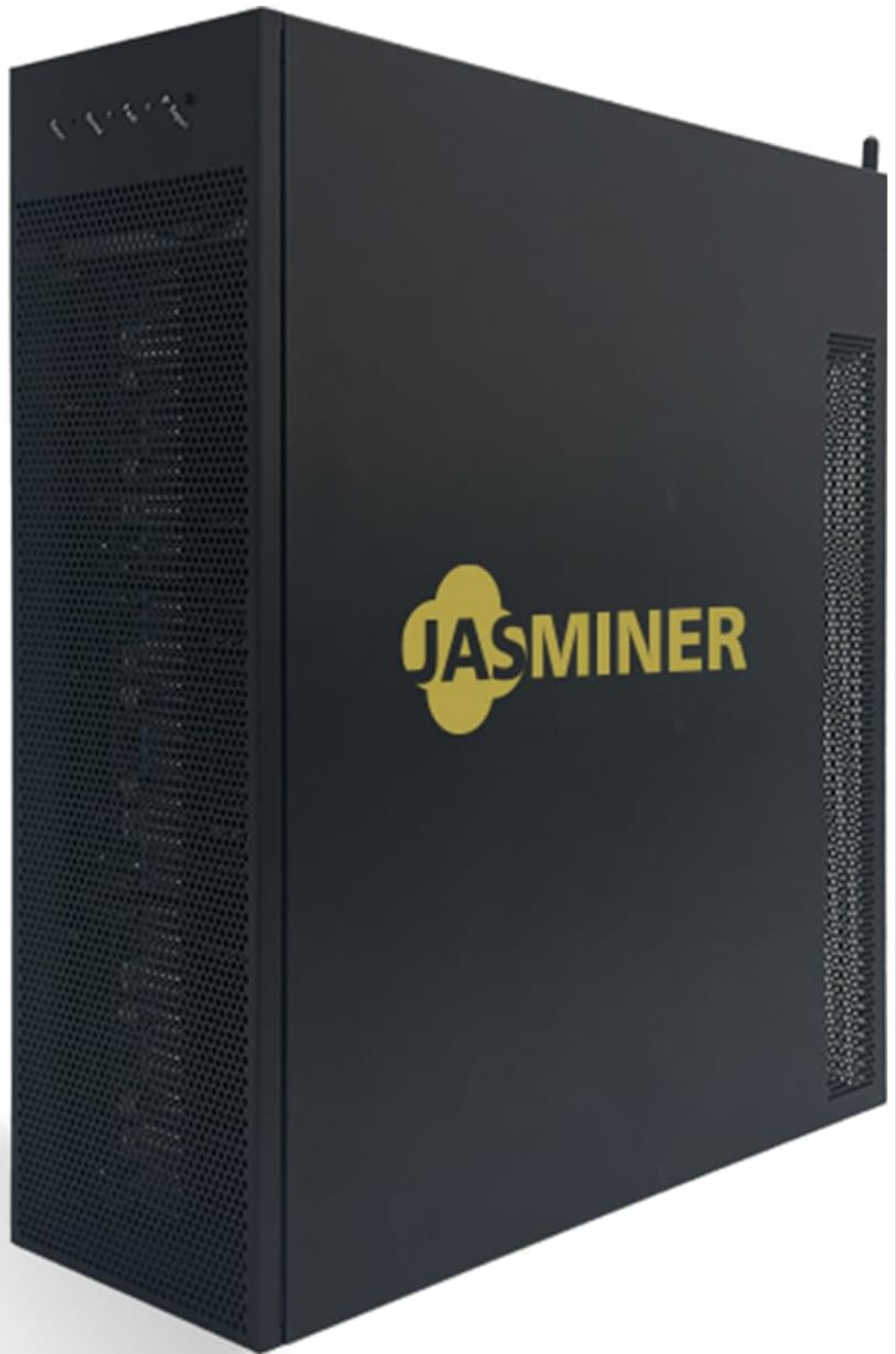


Figure 4.1: Rear view of the Jasminer X16-Q Miner, illustrating the power input, Ethernet port, and Wi-Fi antenna connection point.

5. OPERATING INSTRUCTIONS

5.1 Initial Power On

1. After connecting power and network, press the power button (if available) or ensure the power supply is switched on.
2. The miner will initiate its boot sequence. This may take a few minutes.
3. Observe the indicator lights for status. Refer to the miner's specific LED indicators for boot status.

5.2 Accessing the Web Interface

1. Once the miner has booted, locate its IP address. This can often be found through your router's connected devices list or by using an IP scanner tool on your network.
2. Open a web browser on a computer connected to the same network.
3. Enter the miner's IP address into the browser's address bar and press Enter.
4. You will be prompted for login credentials. Refer to the manufacturer's default username and password (commonly "root" / "root" or "admin" / "admin"). Change these credentials immediately after initial login for security.

5.3 Configuration for Mining

1. Within the web interface, navigate to the "Miner Configuration" or "Pool Settings" section.
2. Enter your chosen mining pool URL, worker name, and password. Ensure the pool supports ETCHASH or ETHASH algorithms.
3. Save the settings and restart the miner if prompted.
4. Monitor the miner's status page to confirm it has successfully connected to the mining pool and is reporting hashrate.

5.4 Wi-Fi Configuration (if applicable)

1. In the web interface, locate the "Network Settings" or "Wi-Fi" section.
2. Scan for available Wi-Fi networks and select your desired network (SSID).
3. Enter the Wi-Fi password (WPA/WPA2 key).
4. Save the settings. The miner should then connect to the Wi-Fi network. You may then disconnect the Ethernet cable if desired.

6. MAINTENANCE

6.1 Cleaning

- Regularly inspect the miner's fans and ventilation grilles for dust accumulation.
- Use compressed air to gently clear dust from the fans and heatsinks. Ensure the miner is powered off and unplugged before cleaning.
- Do not use liquid cleaners or abrasive materials.

6.2 Firmware Updates

- Periodically check the official Jasminer or MinerXpert website for firmware updates.
- Firmware updates can improve performance, stability, and security. Follow the manufacturer's instructions carefully when performing updates.

6.3 Environmental Monitoring

- Continuously monitor the operating temperature of the miner via the web interface.
- Ensure the ambient temperature remains within the recommended range (0-40°C) to prevent overheating and ensure optimal performance.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Miner does not power on.	No power supply; faulty power cable; power button off.	Check power cable connection; ensure power outlet is active; verify power button is on.
No network connection.	Loose Ethernet cable; incorrect Wi-Fi settings; router issue.	Ensure Ethernet cable is securely connected; reconfigure Wi-Fi settings; restart router.
Low or zero hashrate.	Incorrect pool settings; network issues; hardware fault.	Verify mining pool URL, worker name, and password; check network connectivity; contact support if hardware fault is suspected.
Miner overheating.	Poor ventilation; high ambient temperature; dust accumulation on fans.	Improve ventilation; lower ambient temperature; clean fans and heatsinks.
Cannot access web interface.	Incorrect IP address; network issue; miner not fully booted.	Verify IP address; check network connection; wait for miner to fully boot.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official website of MinerXpert or Jasminer, or contact your point of purchase. Warranty terms and conditions, including return and repair procedures, are subject to the manufacturer's policy at the time of purchase.

It is recommended to retain your proof of purchase for warranty claims.

For general inquiries or to explore other products, visit the [MinerXpert Store on Amazon](#).

© 2024 MinerXpert. All rights reserved.

This manual is for informational purposes only. Specifications are subject to change without notice.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question