



## Complete Guide to the [Jasminer X16-Q \(1950Mh\)](#)

### Introduction

The [Jasminer X16-Q \(1950Mh\)](#) is one of the most efficient and profitable miners for home or office use, specifically designed for mining **Ethereum Classic (ETC)** and other **Ethash**-based cryptocurrencies. It offers a maximum hashrate of **1950 MH/s** while consuming only **630W** (+/-10%) of power. This makes it an ideal solution for miners seeking high performance, energy efficiency, and quiet operation for a smaller-scale mining operation. This guide provides a comprehensive overview of the technical specifications of the [Jasminer X16-Q](#), best maintenance practices, safe overclocking methods, and other crucial aspects to optimize the use of this device.

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### Technical Specifications of the [Jasminer X16-Q \(1950Mh\)](#)

#### Main Features

Feature	Details
Manufacturer	Jasminer
Model	Jasminer X16-Q
Mining Algorithm	Ethash (ETCHash)
Maximum Hashrate	1950 MH/s
Energy Consumption	630W (+/-10%)
AC Input Voltage	12V
Interface	Ethernet
Dimensions	Compact
Noise	40 dB
RAM	8GB
Operating Temperature	0°C - 40°C
Operating Humidity	5% - 95%

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## Mineable Cryptocurrencies

The [Jasminer X16-Q](#) supports mining a variety of coins using the **Ethash** algorithm, including:

### Cryptocurrency   Symbol   Algorithm

**Ethereum Classic**   ETC   Ethash

**Muscoin**   MUSIC   Ethash

**Ubiq**   UBQ   Ethash

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## Where to Buy the [Jasminer X16-Q \(1950Mh\)](#)

You can buy the [Jasminer X16-Q](#) from authorized retailers or directly from [MinerAsic](#), a reliable platform for ASIC miners. Here's where to get it:

### Purchase Platform

### Link

### Note

**MinerAsic Official Website** [www.minerasic.com](http://www.minerasic.com) Trusted reseller, official warranty & support

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## [Jasminer X16-Q \(1950Mh\)](#) Maintenance

### Device Cleaning and Care

To ensure optimal performance and longevity, it's important to maintain your [Jasminer X16-Q](#) regularly. Here's how:

#### 1. Regular Cleaning

Dust can impair the performance of cooling fans. Clean the device every 1-2 months or more often in dusty environments.

- **Method:** Use a soft cloth, brush, or compressed air. Be cautious not to damage the internal components.

#### 2. Temperature Monitoring

The device should operate between 0°C and 40°C to prevent overheating.

- **Solution:** Place the miner in a well-ventilated area, and use additional cooling systems if necessary.

#### 3. Fan Inspection

Fans are crucial for cooling. Inspect the fans every 3-4 months.

- **Replacement:** Replace any defective fans immediately to avoid overheating.

#### 4. Firmware Updates

Keep the firmware updated to improve performance and fix bugs.

- **Frequency:** Check the device's web interface regularly for firmware updates.

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### Overclocking the [Jasminer X16-Q \(1950Mh\)](#)

## What is Overclocking?

Overclocking involves increasing the miner's hashrate, but it also raises power consumption and heat generation. Therefore, it's crucial to monitor temperature and power levels closely to avoid damaging the device.

## Overclocking Procedure

1. Access the miner's web interface by entering the device's IP address.
2. Go to the "Overclocking" section and increase the clock frequency gradually (5% at a time).
3. Carefully monitor the temperature and energy consumption to ensure stability.

## Precautions for Overclocking

- **Cooling:** Overclocking generates additional heat. Make sure your cooling system is up to the task.
  - **Stability Testing:** After each adjustment, test the miner to ensure it operates correctly.
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## Tips for Optimal Use

### 1. Initial Setup and Installation

- **Placement:** Install your miner in a well-ventilated area away from direct heat sources.
- **Use Certified Power Supplies:** Choose efficient power supplies to prevent overloads and energy losses.

### 2. Troubleshooting Common Issues

- **Connection Issues:** If the miner cannot connect to the mining pool, check your network and IP settings.
  - **Hardware Failures:** Check for common issues such as fan or power supply failure and replace faulty components.
  - **Software Errors:** Restart the miner or reset it to resolve any software errors.
3. **Device Security**
- **Protection:** Use a VPN and configure a firewall to protect your miner from cyberattacks.
  - **Security Updates:** Keep the firmware updated to avoid vulnerabilities and improve performance.
4. **Periodic Maintenance and Prevention**
- **Check Cables and Connectors:** Regularly inspect cables and connectors to prevent malfunctions.
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## The Importance of Maintaining Low Humidity Levels in Mining Rooms

Proper humidity control is essential in a mining facility to protect electronic components and ensure the efficient operation of your [Jasminer X16-Q](#). Excessive humidity can cause corrosion, electrical failures, and performance degradation. To maintain an optimal environment, aim for humidity levels between 40% and 60%.

### Humidity Management Tips

1. **Humidity Monitoring:** Use hygrometers to monitor humidity levels and alert you when it exceeds the safe threshold.
2. **Industrial Dehumidifiers:** These are recommended for mining environments with high humidity.
3. **Ventilation:** Ensure the mining room has adequate airflow to help remove moisture.

4. **Temperature Control:** Maintain a constant ambient temperature to prevent condensation and humidity build-up.
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## Choosing the Right Miner: A Holistic Approach

When evaluating profitability, it's essential to consider various factors such as hash rate, energy consumption, the mining algorithm, and even hardware longevity. While the [Jasminer X16-Q \(1950Mh\)](#) is ideal for mining **Ethereum Classic**, you may also consider multi-algorithm miners that can adapt to different mining conditions and increase profitability.

- **Diversification:** Consider multi-algorithm miners for more flexibility and profitability.
- **Cost of Hardware:** Factor in the initial investment and calculate how long it will take to recover costs.
- **Mining Strategy:** Look into renewable energy options or cheaper electricity sources for more sustainable mining.
- **Long-Term Viability:** Ensure the miner remains profitable even as network difficulty increases.

By considering these factors, you can maximize the return on investment and profitability of your [Jasminer X16-Q](#).

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The [Jasminer X16-Q \(1950Mh\)](#) is one of the best choices for home or office-based Ethereum Classic mining. Its high efficiency, low power consumption, and solid hashrate make it an excellent option for those looking to

enter or expand their mining operations. With regular maintenance, overclocking, and a well-optimized setup, you can keep the miner in top condition and maximize your mining profits