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› Bitmain Antminer S19j Pro 100Th/s ASIC Miner User Manual

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Model: S19j Pro 100Th/s | Brand: Chipmine

INTRODUCTION

This user manual provides comprehensive instructions for the safe and efficient operation of your New Bitmain Antminer S19j Pro 100Th/s ASIC Miner. Please read this manual thoroughly before operating the device to ensure proper setup, optimal performance, and longevity of your mining equipment.

The Bitmain Antminer S19j Pro is a high-performance ASIC miner designed for Bitcoin mining, offering a maximum hashrate of 100Th/s. It operates with a power consumption of 2950W and includes a Power Supply Unit (PSU).

SAFETY INFORMATION

- Always connect the miner to a grounded power outlet.
- Ensure proper ventilation to prevent overheating. Do not block air vents.
- Do not operate the miner in high humidity or dusty environments.
- Keep away from flammable materials.
- Only use the provided power supply unit or a compatible replacement.
- Disconnect power before performing any maintenance or cleaning.

PRODUCT OVERVIEW

The Antminer S19j Pro is designed for efficient cryptocurrency mining. Below are key components and their functions.



Figure 1: Front view of the Antminer S19j Pro, highlighting the control board and cooling fans.



Figure 2: Angled view of the Antminer S19j Pro, showing both front and side cooling systems.



Figure 3: Rear view of the Antminer S19j Pro, detailing power connections and exhaust fans.

Key Components:

- **Control Board:** Manages the miner's operations, network connectivity, and status indicators.
- **Hash Boards:** The core components responsible for performing the mining calculations.
- **Cooling Fans:** Multiple high-speed fans ensure efficient heat dissipation.
- **Power Supply Unit (PSU):** Converts AC power to DC power required by the miner.
- **Ethernet Port:** For network connection.
- **IP Report Button:** Used to find the miner's IP address on the network.
- **Reset Button:** Resets the miner to factory settings.
- **Status Indicators (Fault/Normal):** LEDs indicating the operational status.

SETUP GUIDE

1. Unpacking and Inspection:

1. Carefully remove the miner from its packaging.
2. Inspect the miner for any visible damage during transit. If damage is found, contact customer support immediately.
3. Ensure all components listed in the packing list are present.

2. Environmental Requirements:

1. **Temperature:** Optimal operating temperature is between 5°C and 35°C (41°F and 95°F).
2. **Humidity:** Relative humidity should be between 5% and 95% (non-condensing).
3. **Ventilation:** Place the miner in a well-ventilated area. Ensure adequate airflow around the intake and exhaust fans.

3. Power Connection:

1. Connect the provided PSU to the miner's power input ports. The S19j Pro requires 220V AC input.
2. Ensure all power cables are securely connected.
3. Plug the PSU into a grounded power outlet.

4. Network Connection:

1. Connect an Ethernet cable from your router or network switch to the Ethernet port on the miner's control board.
2. Ensure your network has DHCP enabled for automatic IP address assignment.

OPERATING INSTRUCTIONS

1. Powering On:

1. Once power and network cables are connected, the miner will automatically power on.
2. The fans will start spinning, and the status indicators will light up.

2. Accessing the Miner Interface:

1. **Using IP Report Tool:** Download the IP Report tool from the official Bitmain website. Run the tool and press the "IP Report" button on the miner. The tool will display the miner's IP address.
2. Open a web browser and enter the miner's IP address in the address bar.
3. Log in using the default credentials (usually username: **root**, password: **root**). Change these immediately after first login for security.

3. Configuring Mining Settings:

1. Navigate to the "Miner Configuration" or "Pool Settings" section in the web interface.
2. Enter your mining pool URL, worker name, and password. You can configure up to three mining pools for redundancy.
3. Save the settings. The miner will restart and begin mining.

4. Monitoring Performance:

1. The "Miner Status" or "Overview" page in the web interface displays real-time hashrate, temperature, fan speed, and network status.
2. Regularly monitor these parameters to ensure optimal operation.

MAINTENANCE

1. Cleaning:

1. Periodically clean the miner to prevent dust buildup, which can affect cooling efficiency.
2. Use compressed air to gently blow dust out of the fans and heatsinks.
3. Ensure the miner is powered off and unplugged before cleaning.

2. Firmware Updates:

1. Check the official Bitmain website regularly for firmware updates.
2. Firmware updates can improve performance, stability, and security.
3. Follow the instructions provided by Bitmain for safe firmware upgrades.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Miner not powering on	Loose power cable, no power from outlet, faulty PSU	Check power connections, test outlet, replace PSU if necessary
No network connection	Loose Ethernet cable, incorrect network settings, router issue	Check Ethernet cable, verify DHCP, restart router
Low hashrate	Overheating, faulty hash board, incorrect pool settings	Ensure proper ventilation, check hash board status in web interface, verify pool settings
High temperature warnings	Insufficient ventilation, dust buildup on fans/heatsinks, high ambient temperature	Improve airflow, clean miner, move to cooler environment
Fault LED is on	Hardware malfunction (e.g., hash board failure)	Check miner status in web interface for specific error codes, contact support if persistent

SPECIFICATIONS

BASIC PARAMETERS

S19J 90T MINER



Miner type:

ASIC Miner

Rated computing
power: **90TH/S**

Rated power
consumption:
3105W(+/- 5%)

Power consumption
ratio:
34.5J/TH(+/- 5%)

Figure 4: Basic parameters of the Antminer S19j Pro.

GENERATED CURRENCY

BITCOIN (BTC)



Figure 5: Supported cryptocurrency for mining.

PRODUCT SIZE

Dimension:15.7*7.7*11.6 inches

Weight:32lb

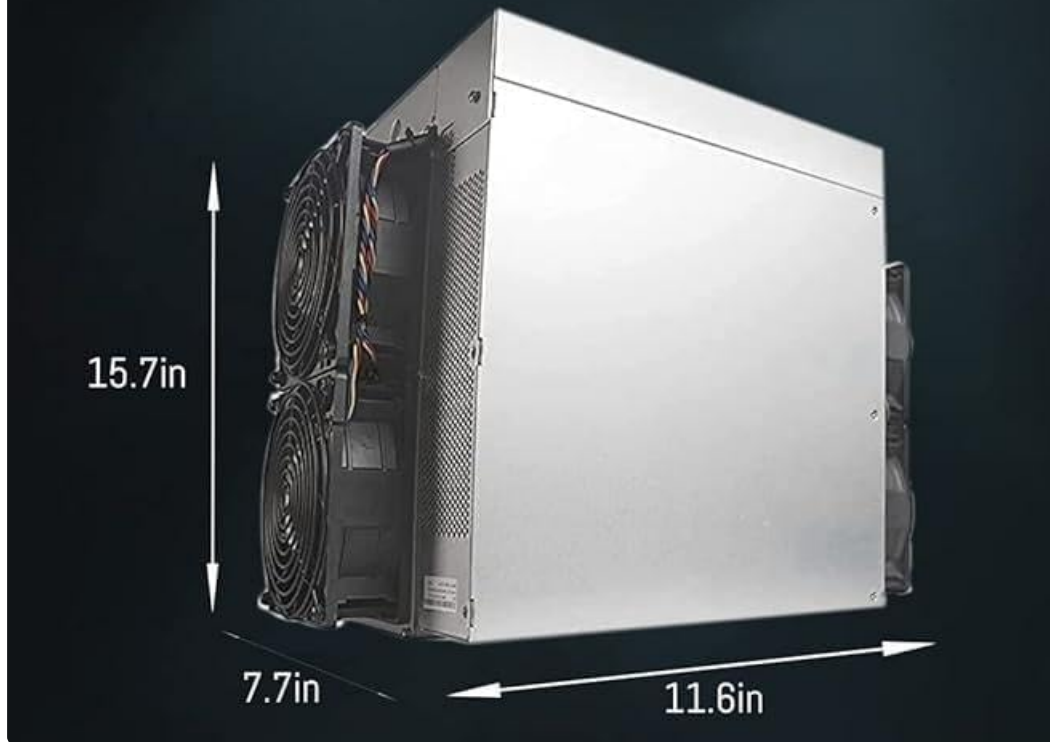


Figure 6: Physical dimensions and weight of the Antminer S19j Pro.

Parameter	Value
Model	Antminer S19j Pro 100Th/s
Hashrate	100 TH/s
Power Consumption	2950W (±5%)
Power Efficiency	29.5 J/TH (approx.)
Input Voltage	220V AC
Cooling Method	Air Cooling
Operating Temperature	5°C to 35°C
Dimensions (L x W x H)	15.75 x 7.69 x 11.42 inches (approx. 400 x 195 x 290 mm)
Weight	Approx. 32 lbs (14.5 kg)

WARRANTY INFORMATION

This Bitmain Antminer S19j Pro 100Th/s ASIC Miner comes with a standard manufacturer's warranty. Please refer to the warranty

card included in your product packaging or visit the official Bitmain website for detailed warranty terms and conditions. The warranty typically covers manufacturing defects and hardware failures under normal operating conditions. It does not cover damage caused by improper installation, unauthorized modifications, power surges, or environmental factors outside the specified operating range.

SUPPORT AND CONTACT

For technical support, troubleshooting assistance, or warranty claims, please contact Chipmine customer service or visit the official Bitmain support portal.

- **Manufacturer:** Chipmine
- **Official Bitmain Support:** <https://support.bitmain.com/> (Please check for the most current support contact information on the official website.)
- **Online Resources:** FAQs, troubleshooting guides, and firmware downloads are often available on the manufacturer's support website.

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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