

## BITMAIN S19 XP

# BITMAIN Antminer S19 XP ASIC Miner User Manual

Model: S19 XP

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your BITMAIN Antminer S19 XP ASIC Miner. Please read these instructions carefully before installation and use to ensure optimal performance and longevity of the device.

## 2. SAFETY INFORMATION

**WARNING: This device operates at high voltage and consumes significant power. Improper installation or use can result in electric shock, fire, or damage to the equipment. Always follow safety guidelines.**

- **Power Supply:** The Antminer S19 XP requires a 220-240V AC input voltage. Using an incorrect voltage may cause severe damage to the miner.
- **Power Cord:** The power cord is NOT INCLUDED in the original package. Ensure you use a compatible power cord rated for the required voltage and current.
- **Ventilation:** Ensure adequate airflow around the miner to prevent overheating. Do not obstruct the air inlets or outlets.
- **Environment:** Operate the miner within specified environmental conditions (temperature, humidity) to maintain performance and prevent damage.
- **Electrical Safety:** Do not open the miner casing while it is powered on. Disconnect power before performing any maintenance or inspection.

## 3. PACKAGE CONTENTS

Upon receiving your BITMAIN Antminer S19 XP, please verify that the following items are included:

- BITMAIN Antminer S19 XP ASIC Miner Unit
- Product User Manual (this document)

*Note: The power cord is not included and must be sourced separately.*

## 4. PRODUCT OVERVIEW

The BITMAIN Antminer S19 XP is a high-performance ASIC (Application-Specific Integrated Circuit) miner designed for SHA256 algorithm-based cryptocurrencies such as Bitcoin (BTC), Bitcoin Cash (BCH), and Bitcoin SV (BSV). It features an air-cooling system for efficient heat dissipation.



Image 1: Front view of the BITMAIN Antminer S19 XP ASIC Miner.



Image 2: Angled view of the Antminer S19 XP, highlighting the 220V AC power requirement.



Image 3: Rear view of the Antminer S19 XP, displaying the cooling fans and power input ports.

## 5. SETUP INSTRUCTIONS

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Follow these steps to set up your Antminer S19 XP:

1. **Placement:** Choose a location with good ventilation and stable temperature. Ensure the miner is placed on a flat, stable surface.
2. **Power Connection:** Connect the appropriate 220-240V AC power cord (not included) to the miner's power input ports. Ensure all connections are secure.
3. **Network Connection:** Connect an Ethernet cable (10/100M) from your network router or switch to the Ethernet port on the miner.
4. **Power On:** Once all connections are secure, power on the miner. The device will initiate its startup sequence.
5. **Initial Configuration:** Access the miner's web interface via a web browser on a computer connected to the same network. Refer to the miner's network settings or use an IP scanner to find its IP address. Log in using default credentials (usually provided by BITMAIN or found in their general documentation) and configure your mining pool settings.

## 6. OPERATION GUIDE

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After successful setup and configuration, your Antminer S19 XP will begin mining. You can monitor its performance through the web interface.

- **Monitoring Hashrate:** The web interface displays the current hashrate (e.g., 151 TH/S), which indicates the processing power dedicated to mining.
- **Power Efficiency:** The miner operates at an efficiency of approximately 21.5 J/TH, indicating its energy consumption per unit of hashing power.
- **Temperature Monitoring:** Regularly check the operating temperature of the miner to ensure it remains within safe limits (32~113°F or 0~45°C).

- **Supported Algorithms:** The S19 XP is designed for the SHA256 algorithm, supporting cryptocurrencies like BTC, BCH, and BSV.

## 7. MAINTENANCE

Regular maintenance is crucial for the longevity and stable operation of your Antminer S19 XP.

- **Dust Removal:** Periodically clean dust from the fans and heatsinks to ensure efficient cooling. Use compressed air or a soft brush.
- **Environmental Control:** Maintain the operating environment within the recommended temperature (32~113°F) and humidity (10~90% non-condensing) ranges.
- **Firmware Updates:** Check the official BITMAIN website for any available firmware updates. Apply updates as recommended to improve performance, stability, or security.
- **Power Supply Check:** Ensure the power supply unit and cables are free from damage and securely connected.

## 8. TROUBLESHOOTING

If you encounter issues with your Antminer S19 XP, consider the following common troubleshooting steps:

- **Miner Not Powering On:** Verify the power cord is correctly connected and the power outlet is functional. Ensure the input voltage is 220-240V AC.
- **No Network Connection:** Check the Ethernet cable connection. Ensure your router is working and the miner's IP address is correctly configured.
- **Low Hashrate:** This could be due to high operating temperatures, network issues, or incorrect mining pool configuration. Check the miner's status in the web interface.
- **Overheating:** Ensure proper ventilation. Clean any dust buildup on fans and heatsinks. Verify ambient temperature is within specifications.
- **Unresponsive Web Interface:** Try restarting the miner. If the issue persists, you may need to reset the miner to factory settings (refer to BITMAIN's official documentation for specific procedures).

## 9. SPECIFICATIONS

Feature	Specification
Model	S19 XP
Algorithm   Cryptocurrency	SHA256   BTC/BCH/BSV
Hashrate	151 TH/S ± 3%
Power on wall @77°F(25°C)	3247 W ± 5%
Power efficiency on wall @77°F(25°C)	21.5 J/TH ± 5%
Power supply AC Input voltage	200~240 V
Power supply AC Input Frequency Range	47~63 Hz
Power supply AC Input current	20 Amp

Feature	Specification
Networking connection mode	Ethernet 10/100M
Miner Size (Length*Width*Height, w/o package)	15.75 x 7.68 x 11.42 inches
Miner Size (Length*Width*Height, with package)	22.45 x 12.45 x 16.93 inches
Net weight	33.96 lbs
Gross weight	37.92 lbs
Operation temperature	32~113°F (0~45°C)
Storage temperature	-4~158 °F (-20~70°C)
Operation humidity (non-condensing)	10~90% RH
Operation altitude	≤2000 m

## 10. WARRANTY AND SUPPORT




**Warranty Information:** Brand New BITMAIN Antminer units come with warranty coverage provided directly by BITMAIN. We are not responsible for the warranty; therefore, customers are required to proactively contact BITMAIN's official website, where dedicated personnel will assist you with any warranty claims or support needs.

**Technical Support:** For technical assistance, troubleshooting beyond this manual, or inquiries regarding your Antminer S19 XP, please refer to the official BITMAIN support channels and resources available on their website.

## 11. RELATED VIDEOS

No official product videos directly related to the BITMAIN Antminer S19 XP were found in the provided media. Please refer to the manufacturer's official website for any available video resources.

### Related Documents - S19 XP

 <p><b>S19 XP Hyd.</b> Product Manual</p> 	<p><a href="#">Bitmain Antminer S19 XP Hyd. Product Manual</a></p> <p>Detailed specifications and environmental operating conditions for the Bitmain Antminer S19 XP Hyd. cryptocurrency mining hardware, including details on power, cooling, and performance.</p>
 <p><b>S19 XP Hyd.</b> Product Manual</p> 	<p><a href="#">ANTMINER S19 XP Hyd. Product Manual: Specifications and Performance</a></p> <p>Comprehensive product manual for the ANTMINER S19 XP Hyd. cryptocurrency mining hardware, detailing technical specifications, environmental requirements, and performance curves.</p>
 <p><b>S21 Hyd.</b> Product Manual</p> 	<p><a href="#">Antminer S21 Hyd. Product Manual - Bitmain Technologies Specifications</a></p> <p>Comprehensive product manual detailing specifications, performance curves, and environmental requirements for the Bitmain Antminer S21 Hyd. ASIC miner. Includes hashrate, power efficiency, and operational parameters.</p>
 <p><b>S21</b> Product Manual</p> 	<p><a href="#">Bitmain Antminer S21 Product Manual</a></p> <p>Comprehensive product manual for the Bitmain Antminer S21, detailing technical specifications, hardware configuration, environmental requirements, and performance curves for hashrate and power efficiency.</p>
 <p><b>S23 Hyd.</b> Product Manual</p> 	<p><a href="#">Antminer S23 Hyd. Product Manual - Specifications and Performance</a></p> <p>Detailed specifications and performance curves for the Antminer S23 Hyd. mining hardware, including hashrate, power efficiency, and environmental requirements.</p>



**S19k Pro**  
Product Manual



[Antminer S19k Pro Product Manual](#)

Comprehensive product manual for the Bitmain Antminer S19k Pro, detailing specifications, working modes, and performance curves. This guide provides essential technical data for the SHA256 ASIC miner.