

Antminer Antminer S17 56TH

Bitmain Antminer S17 Pro User Manual

Model: Antminer S17 56TH | Brand: Antminer

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1. PRODUCT OVERVIEW

The Bitmain Antminer S17 Pro is an ASIC (Application-Specific Integrated Circuit) miner designed for cryptocurrency mining, specifically using the SHA256 algorithm for currencies like Bitcoin. This powerful device is engineered for high hash rates and efficiency in a dedicated mining environment.

Key features include:

- High Hash Rate: Pro 56TH for efficient mining.
- Optimized Power Consumption: Ranging from 1600W to 2212W, with a power efficiency of 93.88%±10%.
- Compact Dimensions: Measuring 298mm (L) x 178mm (W) x 296mm (H).
- Effective Cooling: Equipped with two 12038 fans to maintain optimal operating temperatures.



Figure 1: Front-side view of the Bitmain Antminer S17 Pro, showcasing its compact design and cooling fans.

2. SAFETY INFORMATION

Please read and understand all safety warnings before operating the Antminer S17 Pro. Failure to follow these instructions may result in electric shock, fire, or serious injury, and may damage the product.

- **Power Supply:** Ensure the input voltage matches the miner's requirements. Wrong input voltage may cause permanent damage to the miner.
- **Ventilation:** Operate the miner in a well-ventilated area to prevent overheating. Do not block the air inlets or outlets.
- **Environment:** Keep the miner away from water, moisture, and excessive dust. Operate within recommended temperature and humidity ranges.
- **Handling:** Handle the miner with care. Avoid dropping or subjecting it to strong impacts.

- **Maintenance:** Only qualified personnel should perform maintenance or repairs. Do not attempt to open the casing or modify the hardware.

3. LEGAL DISCLAIMER

Breaking down cryptocurrencies involves inherent financial risks. These risks include, but are not limited to, fluctuations in cryptocurrency exchange rates and changes in the algorithms used for mining. Users are advised to carefully consider these factors before making a purchase. Please note that refund requests for orders of this batch may not be accepted.

4. TECHNICAL SPECIFICATIONS

Feature	Detail
Model Name	Antminer S17 Pro
Hash Rate	56 TH/s
Algorithm	SHA256
Power Consumption	1600W - 2212W
Power Efficiency	93.88% ±10%
Dimensions (L x W x H)	298mm x 178mm x 296mm (11.74 x 7.01 x 11.68 inches)
Weight	9.53 kg (21 pounds)
Cooling Method	Air Cooling (2x 12038 fans)
Compatible Devices	Personal Computer (for configuration)
Connector Type	All-in-one
Manufacturer	Bitmain



Figure 2: Front view of the Antminer S17 Pro, highlighting the cooling fans and power input ports.



Figure 3: Two Antminer S17 Pro units, demonstrating their physical footprint and design.

5. SETUP GUIDE

Follow these steps to set up your Antminer S17 Pro:

1. **Unpacking and Inspection:** Carefully remove the miner from its packaging. Inspect for any visible damage during transit. Ensure all components are present.
2. **Placement:** Choose a location with adequate ventilation and stable power supply. The environment should be cool, dry, and free from excessive dust. Maintain sufficient clearance around the miner for airflow.
3. **Power Connection:** Connect the power cables to the miner's power input ports. Ensure the power supply unit (PSU) is rated appropriately for the miner's power consumption (up to 2212W). Use high-quality power cables.
4. **Network Connection:** Connect an Ethernet cable from your router or network switch to the miner's Ethernet port. A stable internet connection is crucial for mining operations.
5. **Initial Power On:** Once power and network are connected, power on the miner. The indicator lights should illuminate, and fans will start spinning.
6. **Accessing the Web Interface:**
 - Locate the miner's IP address. This can often be found through your router's connected devices list or by using an IP scanner tool on your network.
 - Open a web browser on a computer connected to the same network.
 - Enter the miner's IP address into the browser's address bar.
 - Log in using the default credentials (refer to the manufacturer's documentation for default username and password, typically "root" for both).
7. **Configuration:**

- Navigate to the "Miner Configuration" or "Pool Settings" section within the web interface.
- Enter your mining pool URL, worker name, and password. You will need to register with a mining pool beforehand.
- Save the settings and restart the miner if prompted.

8. **Verification:** After restarting, monitor the miner's status in the web interface to ensure it is connected to the mining pool and submitting shares.

6. OPERATION

Once configured, the Antminer S17 Pro operates continuously to mine cryptocurrency. Regular monitoring is recommended to ensure optimal performance.

- **Monitoring Hash Rate:** Check the miner's web interface or your mining pool dashboard to monitor the actual hash rate. This indicates the mining power of your device.
- **Temperature Monitoring:** Pay attention to the temperature readings of the hash boards and chips within the web interface. High temperatures can lead to reduced performance or damage.
- **Fan Speed:** The miner's fans will adjust their speed based on temperature. Ensure they are operating correctly and not obstructed.
- **Network Connectivity:** Verify that the miner maintains a stable connection to the internet and the mining pool.
- **Power Consumption:** While the miner is designed for efficiency, be aware of its power consumption and ensure your electrical infrastructure can support it.

7. MAINTENANCE

Proper maintenance extends the lifespan and ensures stable operation of your Antminer S17 Pro.

- **Dust Removal:** Regularly clean dust from the miner's fans and heat sinks using compressed air. Dust accumulation can impede airflow and cause overheating. Perform this at least once a month, or more frequently in dusty environments.
- **Environmental Control:** Maintain a clean, cool, and dry operating environment. Avoid areas with high humidity or extreme temperature fluctuations.
- **Cable Inspection:** Periodically inspect all power and network cables for wear, damage, or loose connections. Replace any damaged cables immediately.
- **Firmware Updates:** Check the official Bitmain website for firmware updates. Updates can improve performance, stability, or security. Follow the manufacturer's instructions carefully when performing updates.
- **Power Cycle:** If the miner becomes unresponsive or experiences minor issues, a simple power cycle (turning it off and on again) can sometimes resolve the problem.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your Antminer S17 Pro.

Problem	Possible Cause	Solution
Miner not powering on	Loose power cable, faulty PSU, incorrect voltage.	Check all power connections. Verify power outlet is functional. Ensure correct input voltage. Test with a different PSU if available.
No network connection	Loose Ethernet cable, router issue, incorrect IP settings.	Ensure Ethernet cable is securely connected. Restart router. Check miner's IP configuration in the web interface.

Problem	Possible Cause	Solution
Low hash rate or no shares	Incorrect pool settings, network issues, overheating, faulty hash board.	Verify mining pool URL, worker name, and password. Check network stability. Monitor temperatures. If a hash board is faulty (as reported by some users), contact support.
Overheating	Poor ventilation, dust accumulation, fan malfunction.	Improve airflow around the miner. Clean fans and heat sinks. Check if fans are spinning correctly.
Miner frequently goes down	Unstable power, hardware issue (e.g., loose screws, faulty components).	Ensure stable power supply. Inspect for any loose internal components if comfortable and authorized to do so (otherwise, contact support).

9. CERTIFICATIONS

The Bitmain Antminer S17 Pro complies with various international standards and certifications, ensuring its quality and safety.



Figure 4: Technical Compliance Statement for FCC and ISCED Test Report, indicating compliance with relevant regulations.

		Ref. Certif. No. JPTUV-095148
IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT IECEE/ CB SCHEME		
SYSTEME CEI D'ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC		
CB TEST CERTIFICATE		CERTIFICAT D'ESSAI OC
Product Product:	SERVER	
Name and address of the applicant Nom et adresse du demandeur:	Shenzhen Century Cloud Core Technologies Limited 2/F, B1, Century Building, Guangming Industrial Park, Yilang Community, Qianhai, Shenzhen 518104, P. R. China Shajing Town, Baoan	
Name and address of the manufacturer Nom et adresse du fabricant:	Shenzhen Century Cloud Core Technologies Limited 2/F, B1, Century Building, Guangming Industrial Park, Yilang Community, Qianhai, Shenzhen 518104, P. R. China Shajing Town, Baoan	
Name and address of the Notary Nom et adresse du Notaire:	See additional page(s)	
 ratings and principal characteristics Classements caractéristiques principales:	IAC 200-240V, 50/60Hz, BA1 x 2, Class I	
Trademark of origin Marque de fabrication de l'origine:	N/A	
Type of Manufacturer's Testing Laboratories used Type de programmes de laboratoires d'essais constructeur:	N/A	
Model / Type Ref. Ref. du type:	240-Aa	
Additional information if necessary may also be reported on page 2 Les informations complémentaires (si nécessaires, peuvent être indiquées sur la 2 ^{ème} page):	IEC 60950-1:2005 + A1 + A2 See Test Report for National Differences 5022708-001	
At sample of the product mentioned and found to be in conformity with Un échantillon du produit a été examiné et a été constaté qu'il est conforme à la		
As shown in the Test Report Ref No., which forms part of this Certificate. Comme indiqué dans le Rapport d'essais constructeurs de référence qui constitue partie de ce Certificat.		
This CB Test Certificate is issued by the National Certification Body Ce Certificat d'essai OC est émis par l'Organisme National de Certification		
<div style="display: flex; justify-content: space-between;"> <div>  <p> TÜV Rheinland TÜV Rheinland Japan Ltd. Global Technology Assessment Center 4-25-2 Shinjuku, Tokyo 163, Japan Phone: +81-3-5161-3888 Fax: +81-3-5161-3364 Mail: info@tr-japan.com Web: www.tuv.com </p> </div> <div> <p> Date: 16.03.2019 Signature:  Dipl.-Ing. Th. Illing </p> </div> </div>		

Figure 5: IECEE CB Test Certificate, demonstrating compliance with international electrical equipment safety standards.

CN21-3036-19AC-4898	
방송통신기자재등의 적합등록 필증 Registration of Broadcasting and Communication Equipments	
상호 또는 설립 Trade Name or Register	ShenZhen Century Cloud Core Technologies Limited
기자재명칭(제품명칭) Equipment Name	SERVER
기본모델명 Base Model Number	240-Aa
파생모델명 Sub Model Number	
등록번호 Registration No.	R.R.D10-240-Aa
제조자(제조(로입)국가) Manufacturer/Country of Origin	ShenZhen Century Cloud Core Technologies Limited / 중국
등록연월일 Date of Registration	2019-04-08
기타 Others	
위 기자재는 「전기법」 제58조제2 제3항에 따라 등록되었음을 증명합니다. It is verified that foregoing equipment has been registered under the Clause 3, Article 58-2 of Radio Waves Act.	
2019년 (Year) 04월 (Month) 08일 (Day)	
국립전파연구원장 Director General of National Radio Research Agency	
※ 해당등록 방송통신기자재는 반드시 "적합성평가표지"를 부착하여 사용하여야 합니다. 원본이 파손된 경우 및 등록이 취소될 수 있습니다.	

Figure 6: Registration of Broadcasting and Communication Equipment, confirming regulatory approval for communication aspects.



Figure 7: Technical Compliance for EMC Directive, ensuring electromagnetic compatibility.



Figure 8: Technical Compliance for LVD Directive, confirming compliance with low voltage directive standards.



Figure 9: TÜV Rheinland Certificate, indicating product safety and quality assurance by an independent body.

10. WARRANTY AND SUPPORT

For specific warranty terms and conditions, please refer to the documentation provided by your seller or contact Bitmain directly. It is important to note the legal disclaimer regarding refund requests for this product batch.




For technical support, troubleshooting beyond this manual, or inquiries about repairs, please contact Bitmain's official support channels or the authorized reseller from whom you purchased the product.

- **Manufacturer:** Bitmain
- **Product Model:** Antminer S17 Pro

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Related Documents

 S19j XP Product Manual No. 001 	Antminer S19j XP Product Manual - Specifications and Performance Detailed product manual for the Antminer S19j XP, covering specifications, hardware configuration, environmental requirements, and performance curves. Includes technical data on hashrate, power efficiency, and operating conditions.
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	<p>Antminer KS5 Specifications and Technical Details</p> <p>Detailed specifications for the Antminer KS5, including product glance, power supply, hardware configuration, and environmental requirements. Learn about its hash rate, power consumption, dimensions, and operating conditions.</p>
	<p>Antminer L7 Product Manual</p> <p>This product manual provides detailed specifications, performance curves, and environmental requirements for the Antminer L7 cryptocurrency mining hardware.</p>
	<p>Antminer S19 Quick Start Guide: Setup and Configuration</p> <p>A concise guide to setting up and configuring your Antminer S19 ASIC miner, including IP address identification, mining pool setup, and performance adjustments. Learn how to get started with Bitcoin mining.</p>

Documents - Antminer – Antminer S17 56TH

no relevant documents