Magicminer ASIC GPU Miner Manual

2nd Edition, August 4, 2025

1. Product Specifications

Item	Description
Brand	Magicminer
Model	BG02
Release Date	July 2025
Algorithm	SHA-256
Supported Coins	BTC, BCH, DGB, FB...
Rated Hashrate	7.0 TH/s ±5%
Power Consumption	150 W ±10%
Power Efficiency	21.4 J/TH
Operating Voltage	12V±5% (PCIE 5+3 combo, 16AWG or above)
Network Interfaces	RJ45 Ethernet 10/100M, WiFi 2.4G
Operating System	Web-based interface
Deployment Options	Desktop, inside PC, GPU dock, GPU cluster, server cluster
Bare Dimensions	285×50×134 mm
Package Dimensions	350×80×190 mm
Net Weight	1.0 kg
Gross Weight	1.9 kg
Bulk Package	10 pcs per CTN
Bulk Package Dimensions	395×43×37 mm
Bulk Package Weight	20 kg
Power Input	User-supplied PC or server PSU
Recommended PSU	Gold-certified PC PSU (PCIE 5+3 combo, 16AWG or above)
Noise Level	≤ 40 dB
Cooling Method	Air cooling
Operating Temperature	0~40°C
Operating Humidity	<90%, non-condensing
Storage Temperature	-20~70°C
Warranty	6 months
Applications	Home, Office, Data Center

Company name: Shenzhen Qunlian Intelligent Technology Co., Ltd.

Address: 5/F, Building B1, Zhonghuan Industrial Park, Baoan District, Shenzhen.

Official Website: https://magicminer.cc/

Tel: +86-13794479657 （Wechat/Whatsapp）

2. Recommended Usage Environment

Power: Use high-quality PC or server PSU, preferably gold-certified. PCIE power cable should be 5+3 configuration, 16AWG or thicker.

Temperature: Operate within 0~40°C. Avoid direct sunlight or extreme heat/cold.

Humidity: 10%~90%, non-condensing.

Ventilation: Ensure adequate airflow. Server room or ventilation recommended.

Dust & Moisture: Avoid dusty or damp environments. Clean fan and air inlets regularly.

3. Typical Application Scenarios

1. Standalone desktop placement (requires external PSU)
2. Desktop PCIe dock (with PSU)
3. Installed in a standard PC case (uses PC PSU)
4. ASIC miner GPU rack cluster (uses PC or server PSU)
5. GPU server rack cluster (uses server PSU)

4. Operation Guide

4.1 Hardware Installation

- Power Supply: Prepare gold-certified PSU with 5+3 PCIe cables (≥16AWG). For dock, use PSU-integrated models.

- Cable Connection: Follow labels to connect power and Ethernet or WiFi.

- Physical Setup: Place miner appropriately, ensure proper ventilation.

- Power On: Switch on PSU and check display status.

4.2 Network Configuration

4.2.1 RJ45 Wired Connection

- Connect miner to router/switch via Ethernet.

- After boot, miner display shows assigned IP.

- Connect PC on same LAN, access miner via browser.

- Complete mining pool and wallet settings.

4.2.2 WiFi Wireless Connection

- After boot, miner broadcasts WiFi "Magic-****".

- Connect via PC/phone. Open browser (auto-redirect or 192.168.4.1).

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- Input router SSID/password. Wait for auto-reboot.
- Find new IP via screen/router, then manage as RJ45.

4.3 Start Mining

- Save settings and reboot miner.
- Auto self-test then mining starts.
- Monitor status via dashboard (hashrate, power, temp).

5. Recommended Mining Pools

Visit https://miningpoolstats.stream to compare pools by coin, region, performance, fee, stability.
Examples:
Viabtc - PPS+/PPLNS/SOLO - 172.65.44.224:3014 - Stable, global
Ckpool - SOLO - solo.ckpool.org:3333 - Popular SOLO
Public - SOLO - public-pool.io:21496 - China-friendly
Jackpool - SOLO - Jackpool.ru:6355 - BTC block history
Lucky - SOLO - lucky.solobtc.org:8888 - China-friendly
Fractal - SOLO - solo.solofractal.io:3333 - FB block history

6. Frequently Asked Questions (FAQ)

Q1: What PSU is required?
A: Gold-certified PC PSU, PCIe 5+3 cables, 16AWG+. For docks, use PSU-integrated models.
Q2: Miner won't start?
A: Check power cable, switch, PSU rating, ensure ≥200W via PCIe.
Q3: Is Ethernet required?
A: No. WiFi is supported. See WiFi setup.
Q4: How to find IP via RJ45?
A: Display shows IP after boot.
Q5: How to manage via WiFi?
A: Use screen/router to find IP, then same as RJ45.
Q6: Hashrate lower than expected?
A: Check environment temp, PSU rating, airflow, fan, cable spec.

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7. Warranty & Support

Warranty: 6 months from purchase (core components and accessories under normal use).

Exclusions: Unauthorized repairs, water, lightning, drops, PSU faults, disasters.

Support Process: Contact support → Provide proof & issue → Remote check → Confirm return → Service form → Nearest repair → Send → Feedback.

Turnaround: 7 working days from receipt.

Shipping: Within warranty, each side pays one-way. Out of warranty, user pays both.
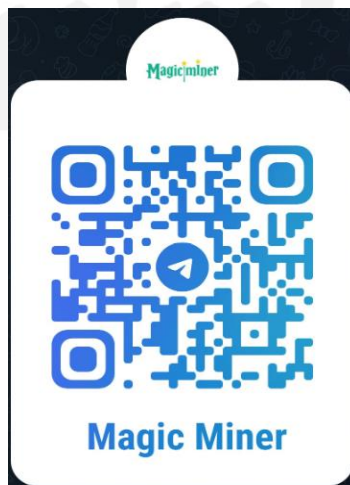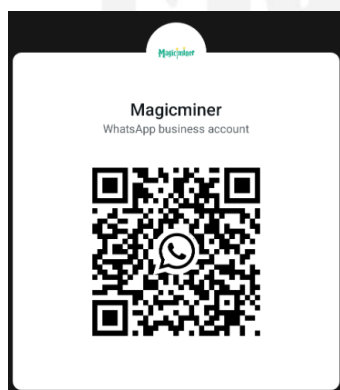
Tips:

- Keep invoice and serial number aligned.

- Out-of-warranty: Parts/labor charged per company policy.

Technical Support

Email: support@magicminer.com

Website: www.magicminer.cc

WhatsApp / Telegram: +852-56140308 (scan QR on website)

For bulk orders/customization, contact our sales team.