

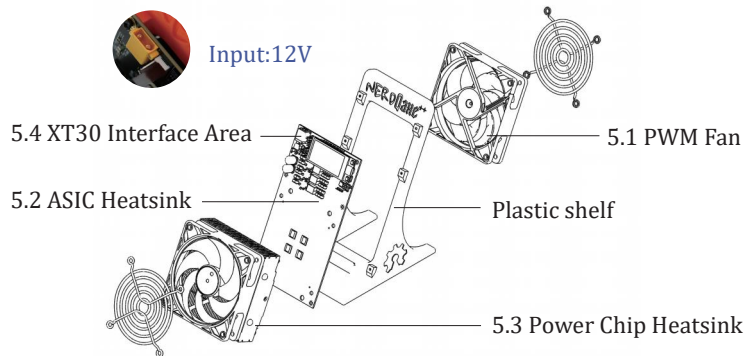
# NerdQAxe++ 6T

## User Manual

Production Delivery Version V1.0



Input:12V



## 1.Product Overview

NerdQAxe++ 6T is a high-performance desktop-class SHA-256 ASIC miner designed for enthusiasts, home miners, and small-scale mining environments.

It features an active air-cooling system (heat pipe heatsink + PWM smart fan), providing stable operation, controlled power consumption, and low noise for long-term 24/7 use. tion, and low noise for long-term 24/7 use.

## 2.Key Features

- Desktop-friendly form factor for home and personal use
- Active air cooling balancing performance and noise
- Supports multiple mining modes for different pool requirements
- Designed for stable long-term continuous operation

## 3.Technical Specifications

Model	NerdQAxe++ 6T	Algorithm	SHA-256
Cooling Mode	Active Air Cooling	HashRate	6TH/s $\pm$ 5%
Network	WiFi2.4G	Power	100W $\pm$ 10%
Mining Modes	SOLO/PPLNS/PPS	Operating Temp	0-35 C
Power Con	XT30	Noise	Typical < 40 dB

## 4.Package Contents

- NerdQAxe++ 6T Miner  $\times$ 1
- User Manual  $\times$ 1
- 120W Switching Power Supply  $\times$ 1



## 5.Product Structure

**5.1 PWM Fan:**Automatically adjusts fan speed based on chip temperature to balance cooling performance and noise levels.

**5.2 ASIC Heatsink:**Heat-pipe-based heatsink designed to efficiently cool the core hashing chips.

**5.3 Power Chip Heatsink:**Independent cooling structure that reduces the temperature of power management chips, improving long-term operational stability.

### 5.4 Interface Area

5.4.1 XT30 Power Connector

5.4.2 Status Indicator LED (if applicable)

⚠ Do not block the air intake or exhaust vents. Ensure proper

## 6.Installation & Power-On

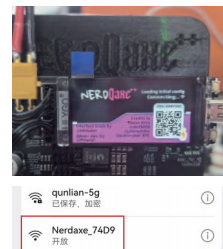
**6.1** Place the device on a stable and well-ventilated surface

**6.2** Use the included 120W switching power supply

**6.3** Securely connect the XT30 power connector

**6.4** Connect to AC power to start the device

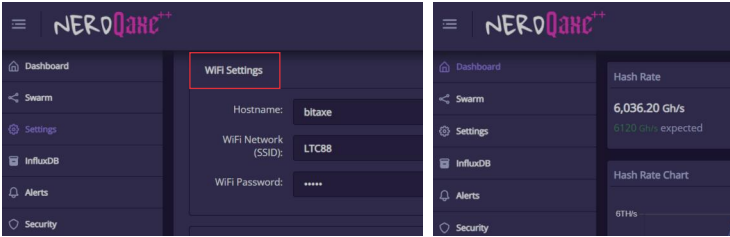
⚠ Do not plug or unplug the XT30 connector while the device is powered on.





## 7. Network Configuration (WiFi 2.4G)

- 7.1 The device supports WiFi 2.4G only (5G not supported)
- 7.2 Network configuration is completed via the web management interface after power-on







## 8. Mining Modes

Model	Description
SOLO	Solo mining, suitable for testing and advanced users
PPLNS	Pool mining based on contributed hashrate
PPS	Stable payout pool mode

## 9. Cooling & Noise

- The PWM fan automatically adjusts speed based on temperature
- Typical operating noise is below 40 dB
- Increased fan speed under high load is normal

## 10. Safety Notice

	Do not disassemble or modify the device
	Do not block the cooling airflow
	Do not use the device in humid or high-temperature environments
	Power off immediately if abnormal behavior occurs

## 11. Frequently Asked Questions

**Q1: Is hashrate or power fluctuation normal?**

A1: Yes. Hashrate  $\pm 5\%$  and power  $\pm 10\%$  are within normal operating ranges.

**Q2: The fan noise is loud after startup. Is this normal?**

A2: Yes. During startup or under high load, the PWM fan may increase speed

to enhance cooling, which can temporarily increase noise. This is normal behavior. - speed to enhance cooling, which can temporarily increase noise. This is normal behavior.

**Q3: The device temperature seems high during operation. Is this an issue?**

A3: ASIC miners generate significant heat during operation. As long as the device operates within the specified temperature range (0 – 35 °C), this is normal.

**Q4: Will the power consumption always stay at 100W?**

A4: No. Power consumption varies depending on load, ambient temperature, and operating conditions. Values within 100W  $\pm 10\%$  are normal.

**Q5: Does the device support 24/7 continuous operation?**

A5: Yes. The device is designed for long-term continuous operation under proper ventilation and stable power supply.

**Q6: Can the device be used in a closed cabinet or enclosed space?**

A6: No. Enclosed spaces restrict airflow and may cause overheating, throttling, or protective shutdown.

**Q7: Will the device resume mining automatically after a power outage?**

A7: Yes. If network and mining configurations remain unchanged, the device will automatically resume operation after power is restored.

**Q8: Does the device support 5G WiFi?**

A8: No. The device supports WiFi 2.4G only.

**Q9: Can I replace the fan or heatsink myself?**

A9: No. Disassembling or replacing components may affect cooling performance and may void the warranty.

**Q10: What should I do if the device cannot connect to the network or frequently disconnects?**

A10: Please check the following: Ensure the WiFi network is 2.4G, Check router signal strength, Verify network stability, Remove potential sources of interference

**Q11: Does the device guarantee mining profits?**

A11: No. Mining profitability depends on network difficulty, pool rules, electricity costs, and other external factors.

**Q12: What should I do if performance decreases after long-term use?**

A12: Regularly check for dust buildup at air intake and exhaust vents and maintain proper ventilation.

## 12. Compliance & Disclaimer

This product is an electronic computing device that generates heat during operation. Please use it in compliance with local electrical and safety regulations.





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The image shows the top portion of the DigLucky.com website. It has a purple header bar. Below it is a white navigation bar containing the DigLucky logo, links for 'Home', 'Lotto Miner Store', 'B2B &amp; OEM', and 'Mining Knowledge Center' with a dropdown arrow, and a shopping cart icon. On the right side of the navigation bar is an orange button that says 'GET B2B QUOTE'. The main content area has a dark background with a blurred image of a laptop, a coffee cup, and a computer component. Overlaid on this is the text 'Factory-Direct Solo Miners: For Hobbyists &amp; Bulk OEM' in large white font. Below this is a smaller line of text: 'Official Luckyminer Distributor. Get the market's lowest price, or build your own custom hardware.' At the bottom of this section is a purple button that says 'GET B2B / OEM QUOTE'.