

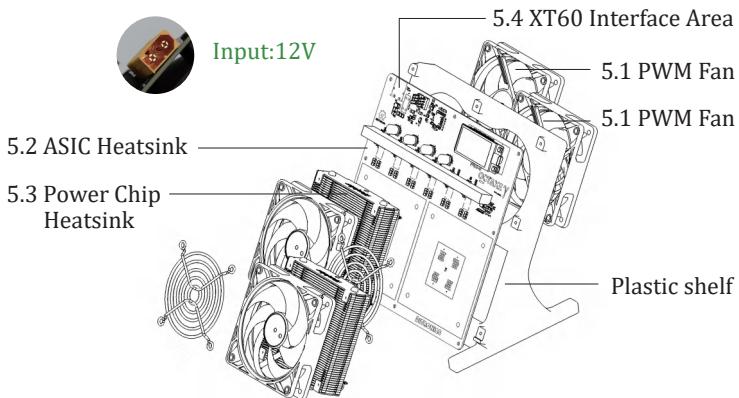
NerdOCTaxe 12T

User Manual

Production Delivery Version V1.0



Input:12V



1. Product Overview

NerdOCTaxe 12T 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.

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	NerdOCTaxe 12T	Algorithm	SHA-256
Cooling Mode	Active Air Cooling	HashRate	12TH/s±5%
Network	WiFi2.4G	Power	200W±10%
Mining Modes	SOLO/PPLNS/PPS	Operating Temp	0-35 C
Power Con	XT60	Noise	Typical < 40 dB

4. Package Contents

- NerdOCTaxe 12T Miner ×1
- User Manual ×1
- 250W Switching Power Supply ×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 XT60 Power Connector

5.4.2 Status Indicator LED (if applicable)

⚠ Do not block the air intake or exhaust vents. Ensure proper airflow at all times.

6. Installation & Power-On

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

6.2 Use the included 250W switching power supply

6.3 Securely connect the XT60 power connector

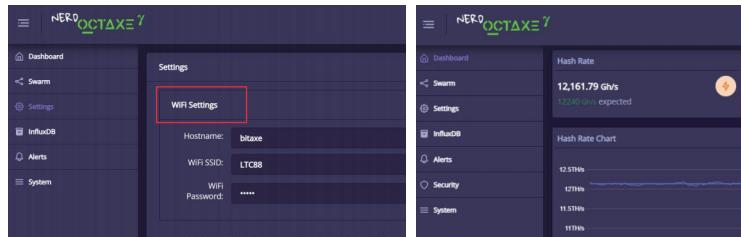
6.4 Connect to AC power to start the device

⚠ Do not plug or unplug the XT60 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.

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 200W?

A4: No. Power consumption varies depending on load, ambient temperature, and operating conditions. Values within 200W \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.

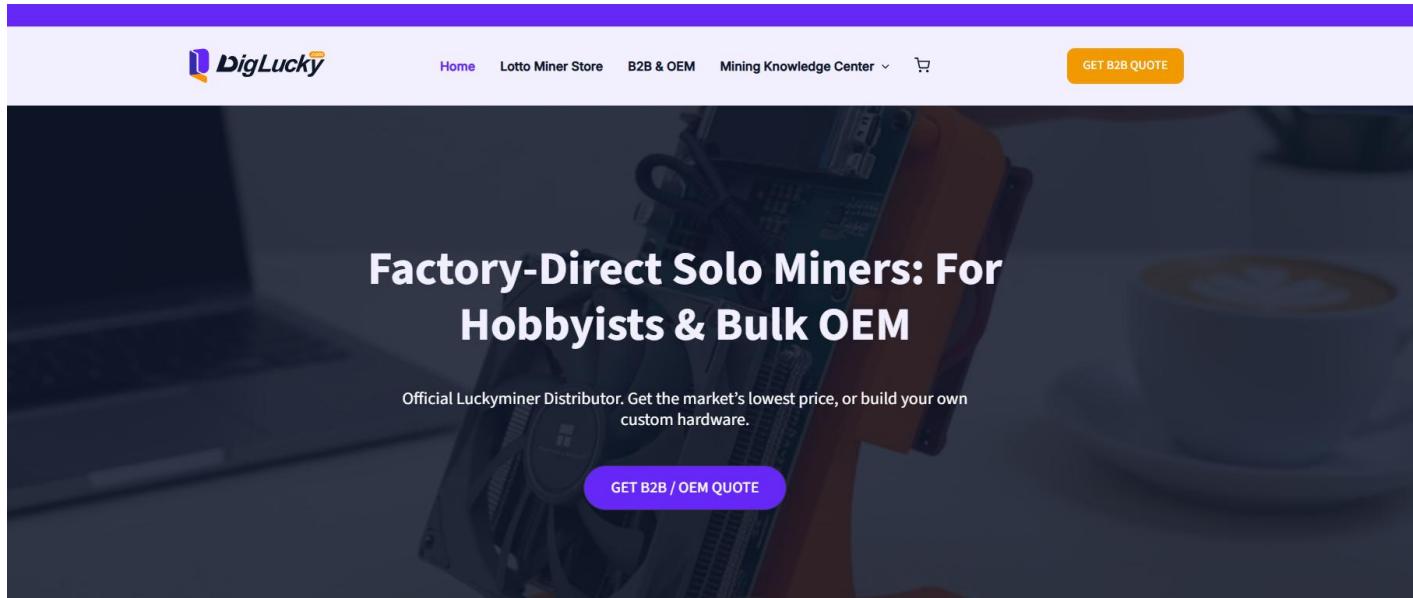
12. Compliance & Disclaimer

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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- Factory Direct ASIC Miners

A dark, blurred background image showing various pieces of mining hardware, including a GPU and a power supply unit.

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