

Neutron on Solana: Whitepaper

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1. Introduction

Neutron (\$NTRN) is an open-source cryptocurrency project originally designed as a hybrid Proof-of-Work (PoW) and Proof-of-Stake (PoS) blockchain using SHA256d. The project was created to reward holders through an eco-friendly, sustainable staking model without requiring expensive hardware or excessive electricity consumption.

In its next evolution, Neutron is migrating to the Solana blockchain to leverage Solana's high-performance, low-cost infrastructure. This shift allows Neutron to remain true to its mission of energy efficiency and decentralization while benefiting from Solana's scalable smart contract ecosystem.

Our vision is to position Neutron as a long-term store of value with built-in staking rewards, adapted for the future of blockchain on Solana.

2. Background

Initially launched with a dynamic reward structure that halved every 1 million blocks, Neutron's original chain allowed users to earn rewards simply by holding coins in a running wallet 24/7. This made it one of the most accessible and energy-efficient staking coins.

Masternodes were also introduced to enhance the network's security and reward long-term holders. The emphasis on minimal hardware requirements and low energy consumption remains at the core of the project.

3. Neutron Token (\$NTRN) on Solana

Token Standard:

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- SPL (Solana Program Library) token

Token Utility:

- Staking Rewards: Earn by holding in a compatible wallet or staking vault
- Masternode Vaults: Advanced locking mechanisms for long-term staking rewards
- Governance: Participate in decision-making via a DAO model (future)
- Ecosystem Participation: Support dApps, yield farms, and integrations using \$NTRN

Total Supply and Distribution:

- Staking Rewards: 40%
- Vault Nodes: 20%
- Liquidity: 15%
- Development Fund: 10%
- Ecosystem Incentives: 10%
- Community Governance: 5%

4. Staking Model

Neutron's staking protocol is built as a smart contract on Solana, simulating dynamic rewards inspired by the original PoS model:

- Eligibility: Minimum required balance to stake
- Reward Model: Halving-style dynamic logic implemented via time intervals
- Claiming Rewards: Auto-compounding or manual claiming through dApp
- Energy Efficiency: No always-on wallet or hardware required

5. Masternode Functionality (Vault Nodes)

Instead of traditional masternodes, Neutron introduces Vault Nodes:

- Users lock a predetermined amount of \$NTRN in a smart contract vault

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- Vault participants receive higher tier staking rewards
- Vaults may evolve into governance-empowered validators
- Designed for serious, long-term participants

6. Roadmap

Phase 1: Migration & Infrastructure

- Deploy SPL Token on Solana
- Audit staking and vault contracts
- Launch GitHub documentation

Phase 2: Launch & Distribution

- Launch official staking dApp
- Begin token distribution and airdrops
- Listing on Solana-based DEXs

Phase 3: Growth & Community

- DAO governance structure implementation
- Expand marketing and partnerships
- Open community grants

Phase 4: Ecosystem Expansion

- Vault Nodes live
- Governance voting through DAO
- NFT or DeFi integrations using \$NTRN

7. Security Considerations

- All contracts will be audited before mainnet release
- Smart contracts will use time-locked upgrade mechanisms

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- \$NTRN compatible with Phantom, Solflare, and Backpack wallets
- DAO and multisig-based treasury control

8. Community & Governance

Neutron's long-term sustainability depends on its community:

- DAO-lite system to start, with gradual decentralization
- Transparent treasury reports
- Voting rights earned via staking or Vault participation
- Community proposals and project grants

9. Conclusion

Neutron on Solana is a reinvention rooted in its founding ideals: simplicity, accessibility, and sustainability. With scalable smart contracts, dynamic staking rewards, and governance-driven growth, Neutron is ready for the next decade of crypto.

Whether you're a staker, a developer, or a long-term believer - now is the time to join the Neutron movement.

10. Legal Disclaimer

This whitepaper is for informational purposes only and does not constitute financial advice. Participation in the Neutron ecosystem is voluntary and at your own risk. \$NTRN is not a security. Users must comply with local laws and regulations.