NEXIA (NXE)

The Sovereign Scrypt Blockchain

WHITEPAPER v1.1
Community-Focused & Utility-Driven Edition

Mainnet Live | Proof of Work (Scrypt)
Website: https://nexiacoin.org

THE RETURN TO PEOPLE-POWERED MONEY

Nexia (NXE) was created to restore the original purpose of cryptocurrency: enabling fast, affordable, and censorship-resistant payments for everyday people.

In many regions of the world, access to traditional banking remains limited, expensive, or unreliable. Nexia exists to serve communities where **small, fast, and frequent transactions matter**, without intermediaries, permissions, or corporate control.

Nexia was not designed for speculation.
It was designed for **use**.

CORE PRINCIPLES

Fair and Open Launch

Nexia launched with **no ICO, no premine, and no private allocations**. Every NXE in circulation is produced through mining, ensuring:

- Equal participation
- No insider advantage
- Transparent and predictable monetary issuance

Real-Time Transaction Speed

With **60-second block times**, Nexia provides fast confirmations suitable for:

- Daily purchases
- Services and utilities
- Local commerce
- Peer-to-peer transfers
- Micropayments

Proven Security Model

Nexia is based on the mature and battle-tested **Litecoin v21.4 architecture**, inheriting more than a decade of proven Proof-of-Work security research and real-world resilience.

MISSION STATEMENT

Our mission is to provide a decentralized payment network that allows individuals and communities to exchange value freely, quickly, and affordably, regardless of geographic location or economic status.

Nexia exists to **remove barriers**, not create them.

VISION

We envision a world where:

- Small payments are instant and inexpensive
- Digital money works for people with limited resources
- Communities can trade without reliance on banks
- Financial inclusion is driven by open networks, not institutions

Nexia aims to become a **community-driven digital currency**, adopted organically where traditional financial systems fail to reach the population.

EXTENDED MISSIONS

Financial Inclusion

Nexia is designed to enable digital payments in regions with limited banking infrastructure, high remittance fees, or restricted access to global finance.

Micropayments for Everyday Life

NXE is optimized for **small and frequent transactions**, making it ideal for:

- Local trade
- Community marketplaces
- Tips and micro-services
- Daily peer-to-peer usage

Community-Led Adoption

Growth is driven by **users, miners, and developers**, not centralized foundations or venture capital interests.

Education and Empowerment

Nexia encourages education around self-custody, mining, and open-source contribution to build long-term digital sovereignty.

EXTENDED VISION

A Currency for Emerging Economies

Nexia targets adoption in regions affected by inflation, banking restrictions, or limited access to modern financial tools.

Borderless and Permissionless

Anyone, anywhere, can participate in the Nexia network without approval, identity verification, or centralized oversight.

Decentralized by Design

Mining, development, and governance evolve organically through community contribution rather than top-down control.

Sustainable Growth Over Hype

Nexia prioritizes long-term usability and trust over short-term speculation or aggressive marketing.

TECHNICAL AND NETWORK SPECIFICATIONS

Name: Nexia
Ticker: NXE
Consensus Algorithm: Proof of Work (Scrypt)
Block Time: 60 seconds
Block Reward: 15,000 NXE
Block Reward Halving: Every 840,000 blocks
Maximum Supply: 25,200,000,000 NXE
Coinbase Maturity: 100 blocks

Difficulty Adjustment:

- Legacy: every 5,040 blocks
- LWMA (Linearly Weighted Moving Average): every 112 blocks
- LWMA activates after block height 124

Network Ports:

- P2P Port: 29433
- RPC Port: 29432

Current Blockchain State:

- Last Block Height: ~34,440,000
- Network Age: ~23,917 days (~65.53 years projected emission timeline)

Network Status: Mainnet Operational

ECONOMIC DESIGN RATIONALE

High Maximum Supply

A large maximum supply enables:

- Fine-grained pricing
- Low unit bias
- Accessibility for micro-transactions
- Psychological ease of use in developing economies

Fixed Block Reward with Halvings

The predictable halving schedule ensures:

- Controlled long-term inflation
- Fair miner incentives
- Gradual transition from issuance to fee-based security

DIFFICULTY ADJUSTMENT OVERVIEW

Legacy Difficulty (Early Chain)

The legacy retarget mechanism provides stability during early network bootstrapping and low hash rate conditions.

LWMA (Linearly Weighted Moving Average)

After activation, LWMA offers:

- Rapid response to hash rate changes
- Resistance to difficulty manipulation
- Improved protection against time-warp and oscillation attacks
- Stable block times even under volatile mining conditions

LWMA significantly improves network reliability compared to older retarget algorithms.

PROS AND CONS OF NEXIA'S DESIGN

Advantages

- Fast confirmations (60s blocks)
- Proven Scrypt PoW security model
- Fair launch with no premine
- Miner-friendly and decentralized
- Optimized for micropayments
- LWMA provides modern difficulty stability
- Long emission schedule supports sustainability

Trade-Offs

- High supply may be misunderstood by speculative markets
- Proof-of-Work requires ongoing miner participation
- Focus on payments over complex smart contracts
- Adoption relies primarily on organic community growth

These trade-offs are intentional and aligned with Nexia's mission of **real-world usability over speculation**.

THE NEXIA ECOSYSTEM

Nexia Pay

A fast, low-cost payment layer designed for real-world usage and community commerce.

Miner Accessibility

Designed to support small and independent miners, preserving decentralization and network resilience.

Developer-Friendly Network

A clean and stable blockchain environment suitable for:

- Lightweight applications
- Payment integrations
- Community tools and services

COMMUNITY AND CONNECTIONS

Nexia is built by its community and grows through participation.

- Website: https://nexiacoin.org
- Email: coinnexia@gmail.com
- Explorer: https://explorer.nexiacoin.org
- X (Twitter): https://x.com/CoinNexia
- Telegram: https://t.me/+0jm_8fxxVX4yMDNh
- Discord: https://discord.gg/Y9EkSzV2
- YouTube: https://youtube.com/@nexiacoin
- GitHub: https://github.com/nexia-coin/nexia-master

Nexia (NXE)
Your network. Your value. Your community.