



NUSA COIN

BLOCKCHAIN • DECENTRALIZED

WHITEPAPER

NusaCoin • \$NUX

www.nusacoin.org

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Executive Summary

NusaCoin (\$NUX) is a crypto asset designed as a purely peer-to-peer electronic transaction tool, enabling value to move directly between parties without the involvement of financial institution intermediaries. Built on decentralized blockchain technology, NusaCoin gives everyone full control over their own digital wealth through an easy-to-use, non-custodial wallet.

This whitepaper sets out the background problem underlying NusaCoin, the project's objectives, the technology used, how the network operates, the token's technical specifications, and the development roadmap across three main phases.

Problem Statement

Globally, people in nearly every country face limitations in managing their own wealth, along with a lack of robust security guarantees over the assets they hold.

Central financial institutions hold the authority to increase the money supply and control its circulation. At the same time, the value of that monetary commodity tends to decline over time — a phenomenon many regard as a form of the slow confiscation of wealth.

Objectives

NusaCoin (NUX) was launched as a crypto asset that functions as a purely peer-to-peer electronic transaction tool — the transfer of value from one party to another without involving any third party or intermediary institution.

Anyone can create an unlimited number of their own NusaCoin accounts, without complicated or tedious procedures, using an easy-to-use, highly credible, non-custodial personal wallet that gives full control over personal assets.

Its decentralized nature means no central authority can control the supply, distribution, or value of NusaCoin. Every user holds an equal share and standing within the network.

Five Core Pillars of NusaCoin

- Prioritizing its function as a means of payment/barter.
- Saving in the form of a digital asset.
- Supporting the NusaChain blockchain network through mining.
- Securing the NusaChain network by running nodes on computers.
- Educating the public on the benefits of cryptocurrency technology.

Technology

Blockchain is a transaction-recording system distributed across many databases on many computers at once, known as a distributed ledger. Every transaction is recorded in interlinked blocks, so this technology also secures the network against potential double-spending — a classic problem in digital financial record-keeping.

In more detail, a blockchain is a collection of digital data records maintained by a set of computers (nodes) not owned by any single entity. Each individual record is wrapped inside a container called a block, and the resulting chain of blocks is secured using cryptographic principles pioneered by Satoshi Nakamoto.

Blockchain technology is used to record cryptocurrency transactions such as Bitcoin and NusaCoin, and can potentially be applied to a variety of other systems, including healthcare, finance, government, and education.

General Operating Process

1. Transaction

A user initiates a transaction from their own wallet — for example, transferring NUX crypto assets from one wallet to another.

2. Broadcasting

The transaction is broadcast to the peer-to-peer (P2P) network made up of computers (nodes).

3. Validation

Nodes on the network validate the transaction by checking its legitimacy — confirming the sender has sufficient balance and that the transaction complies with network rules. This validation process is generally known as mining.

4. Block Propagation and Addition

The newly validated block is propagated across the entire network. If approved by the majority of nodes, the block is added to the chain (blockchain).

5. Settlement

Once the block is added to the chain, the transaction is considered complete and is permanently recorded on the blockchain.

NUSA Coin Technical Specifications

NusaCoin adopts blockchain technology from Bitcoin version v0.20, using a Proof of Work (PoW) mechanism with a limited supply of only 18,000,000 NUX, projected to continue being mined until the year 2240. NusaCoin uses the X11 algorithm and is designed as a blockchain project that can be broadly used and adopted for the benefit of the public.

Parameter	Detail
Name	NUSA
Code / Ticker	NUX
Algorithm	X11
Consensus	Proof of Work (PoW)
Type	UTXO (Unspent Transaction Output)
Maximum Supply	18,000,000 NUX
Premine	None
Smallest Unit	Nusan
Initial Block Reward	30 NUX / 6 minutes
Halving	Every 300,000 blocks
Difficulty Adjustment	Every 3,360 blocks
Estimated Mining Completion	± Year 2240
Blockchain	NusaChain
Main Domain	nusacoin.org
Second Domain	nusacoin.site / nusachain.site

Roadmap

NusaCoin's development is divided into three main phases, beginning with building the core network, followed by increasing adoption and public education, and culminating in sustainable ecosystem development.

Phase 1: Core Network Launch

The main focus is building and securing the base network, achieving initial decentralization, and providing essential tools for users.

Focus Area	Key Achievement	Supported Objective
Network & Consensus	Official launch of the NusaChain mainnet with the X11 algorithm and Proof of Work (PoW) consensus.	Securing the network.
Supply	Distribution of the initial NUX supply for mining, up to a total of 18,000,000 coins.	Supporting the NUSA blockchain network through mining.
User Tools	Launch of a non-custodial desktop wallet enabling anyone to create their own NUSA account.	Full control over personal assets.

Phase 2: Adoption & Education Growth

The main focus is driving the use of NUX as a means of payment/barter and expanding public knowledge of this technology.

Focus Area	Key Achievement	Supported Objective
Core Function	Integration with several e-commerce platforms or initial service providers to promote its function as a means of payment/barter.	Function as a means of payment/barter.
Education & Community	Launch of a public education program on the benefits of cryptocurrency technology and how blockchain works.	Educating the public.
Accessibility	Development and launch of a mobile wallet to make access and transactions easier.	A purely peer-to-peer transaction tool.

Phase 3: Ecosystem Development

The main focus is ensuring sustainability and broader adoption, leveraging blockchain technology for the benefit of the public.

Focus Area	Key Achievement	Supported Objective
Network Security	Increasing the number of nodes and miners to strengthen the decentralization of the NusaChain network.	A decentralized network in which every user holds an equal share.

Focus Area	Key Achievement	Supported Objective
Use Cases	Developing pilot projects in which blockchain can be used and broadly adopted, for example in the finance or government sectors.	Preparing projects that benefit the public.
Asset Stability	Encouraging the use of NUX as a form of savings in digital assets through partnerships with custody or investment services.	Saving in the form of a digital asset.

Phase 4: Application Ecosystem Development

NusaCoin Core Wallet Application

Explore the ease of receiving and sending NUX. Delivers high security, privacy, and stability. Operates a full node, which includes transaction validation, maintaining a copy of the entire blockchain, and relaying transactions to other nodes. Running a node enhances your privacy and strengthens the network.

NUX Mobile Wallet Application (Taobot App)

- Explore the ease of receiving and sending NUX right from the palm of your hand. Make cross-continent payments with fiat currency conversion worldwide.
- NUSA TV & Cinema integration creates a comprehensive digital entertainment ecosystem, combining TV streaming and cinema ticket booking on a single seamless platform using innovative NUX Coin-based payments.
- NUSA Exchange creates an integrated crypto asset trading hub, allowing users to buy, sell, and swap digital assets safely and quickly, including NUX Coin.
- Integration of the NUSA ecosystem into MSME cooperatives in Indonesia is designed to digitalize and modernize the real sector by leveraging blockchain technology. This integration enables NUSA Cooperatives to provide savings and loan services, MSME financing, and transparent, efficient bookkeeping.
- NUSA E-commerce is designed as an online shopping (e-commerce) platform that integrates blockchain technology to provide a secure, transparent, and efficient transaction experience using NUX.
- NUX Airdrop Mining — earn NUX for free through airdrop mining apps that give you early access to the NUX network.
- A NusaCoin testnet network that allows developers to test the network before launching to mainnet.
- Verisign — verify and sign documents on the NusaChain blockchain.
- MultiSig for broadcasting transactions.
- Easy access to various other ecosystem components: mining pool, explorer, ask nusa, verifile, games, and more.

A Complete Guide to Mining NusaCoin (NUX) for Beginners

Cryptocurrency mining has become one of the popular ways to acquire digital assets. Among the many types of cryptocurrency available, NusaCoin stands out as an attractive option for beginners. In this guide, we will discuss in depth how to mine NusaCoin, the steps involved, and tips and tricks for maximizing your mining results.

Preparation Before You Start Mining

Before you start mining NusaCoin (NUX), there are several preparations you need to make:

1. Choosing Hardware

Hardware is one of the most important factors in mining. You will need:

- GPU (Graphics Processing Unit): Choose a high-performance GPU to increase mining efficiency.
- ASIC Miner: Choose an ASIC miner compatible with the X11 algorithm that offers high performance to increase mining efficiency.
- Motherboard: Make sure your motherboard supports multiple GPUs if you plan to use them.
- PSU (Power Supply Unit): Choose a PSU strong enough to support all of your hardware components.

2. Choosing Mining Software

Once your hardware is ready, the next step is choosing mining software. Some popular software options for mining NusaCoin include:

- CGMiner: Open-source software that supports a wide range of hardware.
- BFGMiner: Suitable for users who want to customize their mining settings.
- EasyMiner: A user-friendly graphical interface, ideal for beginners.

3. Creating a NusaCoin (NUX) Wallet

Before you start mining, you need a wallet to store the NusaCoin you earn. You can choose between a desktop, mobile, or hardware wallet. Make sure the wallet you choose is secure and supports NusaCoin.

Steps to Mine NusaCoin (NUX)

1. Install Mining Software: After choosing your mining software, download and install it on your computer. Be sure to follow the installation instructions correctly.
2. Configure the Software: After installation, you need to configure the mining software. Enter your wallet information and choose a mining pool if you want to join a community of other miners.
3. Start Mining: Once all configuration is complete, you can start mining. Monitor your mining performance periodically to ensure everything is running smoothly.
4. Withdraw NusaCoin: Once you have successfully mined NusaCoin, you can withdraw it to your wallet. Be sure to check transaction fees before making a withdrawal.

Tips and Tricks for Mining NusaCoin (NUX)

- **Choose the Right Time:** Mining at certain times can affect your results. Try mining when difficulty is low or when fewer miners are active.
- **Optimize Hardware Settings:** Make sure your hardware is functioning properly. Overclock your GPU to boost performance, but be sure to monitor temperatures to avoid overheating.
- **Join the Community:** Joining the NusaCoin community can give you access to the latest information and tips from other miners.
- **Monitor Your Mining Results:** Use software to monitor your mining results so you know whether adjustments are needed.

Common Mistakes to Avoid

- **Not Doing Research:** Don't simply follow trends without understanding the fundamentals.
- **Neglecting Security:** Use a secure wallet and enable two-factor authentication.
- **Ignoring Electricity Costs:** Calculate electricity costs and compare them against potential mining profits.

Closing

NUSA (NUX) exists as a response to the global problem of the lack of freedom and weak security over personal wealth, as well as the declining value of assets — often regarded as a slow form of wealth confiscation by central financial institutions.

NusaCoin is a crypto asset that aims to deliver a purely peer-to-peer electronic transaction tool from one party to another, without involving any third party or institution. This is the very essence of the spirit of decentralization carried forward by NusaChain.

Thank You

NusaChain Community

www.nusacoin.org