



LITEDEX

Whitepaper
English Version

1.1

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Introduction

Decentralized Exchange Protocol is a blockchain based financial system which designed to provide an open financial service that are transparent without intermediaries, permissions and available to everyone without centralized authority. Instead, it uses smart contract based on blockchain technology, which allows developers to build better functions. Decentralized Exchange consist of trading, saving, lending, borrowing, and insurance services that can be accessed by anyone at any time using a smartphone or a laptop and internet connection.

Litedex is a decentralized exchange protocol that adopts the world's most popular blockchains; Binance Smart Chain, Ethereum Network, Huobi Eco Chain, Polygon Matic Network, Tron Network, Polkadot Network and Solana Network. As the first DeFi platform in Indonesia, Litedex also gained the advantages from some of the best decentralized protocols and create an ecosystem that is very beneficial for LDX Token holder. Our commitment is to build a DeFi ecosystem within the decentralized available features to provide liquidity services in one platform for higher quality assets, reliable, diverse, democratic, cost-effective and secure trading experience for DeFi users around the world.

What is Litedex Token?

Litedex Token is a governance token built on the Binance Smart Chain (BEP20) blockchain network, created to build the DeFi ecosystem and deliver rights to all LDX holders to also manage the platform through a voting mechanism.

Why Litedex?

- LITEDEX provides services that doesn't exist in Centralized Finance (CeFi) sector like Swap, Staking, Farming and NFT.
- LITEDEX platform was developed by a team of experienced crypto trader and blockchain developer, supported by professionals in project management, communication, marketing, sales and more.
- LITEDEX apply smart contracts audit to ensure highly secured transactions on the platform.
- LITEDEX develops community of crypto enthusiasts based on the value of Benefit Sharing.

Features Available in Litedex

- Swap
- Staking
- Farming
- Liquidity Pool
- Lending
- Borrowing
- NFT

All the features listed are built on the BSC and ETH Blockchain.



Security & Audits

As a platform, Litedex highly prioritize security for the users. We ensure in conducting regular checks on smart contract in order to continuously improve the best security standards. The best blockchain security audit company had been commissioned for our auditing. The following is our audit evidence or process:

- [Certik](#) (Certified)

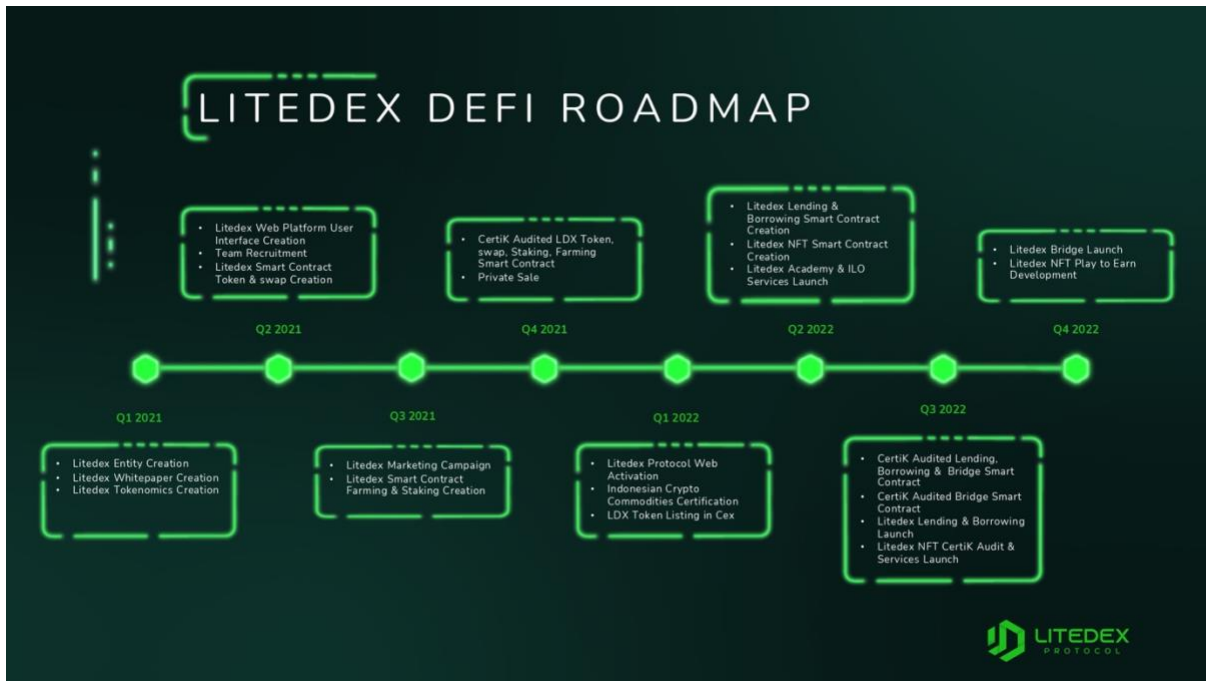
Smart Contract Security

Smart contract is an agreement between two parties in the form of computer code that runs on a blockchain network. The agreement will be stored in a public database and cannot be changed. The transactions are processed by the blockchain where the smart contract can be sent automatically without having any third party involve such as (banks, governments, brokers, etc.). Transactions will only occur if the terms of the agreement are met. Without a third party, there is no entity could execute the smart contract. With such safety features, the Litedex Team will keep conducting routine auditing and layered security checks.



Roadmap

Roadmap is a flexible planning technique to support strategic planning by combining both short and long-term goals. It was created in a thorough detailed and systematic way regarding the implementation of a program activities for a certain period of time.



Wallet Introduction

Wallet is the main feature which is to store, send and receive various cryptocurrency tokens on the Blockchain network. LITEDEX had supported the well-known cryptocurrency wallets provided in the list.

Available wallets:

- Metamask
- Safepal
- TrustWallet
- TokenPocket
- HuobiWallet
- MathWallet
- And wallets supported by WalletConnect

Approval Introduction

Approval process is a procedure in transactions, where the protocol asks the user for approval regarding the use of Wallet balances. The procedure runs when the user wants to transact via the LITEDEX protocol. And this procedure only runs during the first time when the user makes a transaction. In LITEDEX itself, this procedure has been implemented in every feature provided.

Products

Exchange

A decentralized exchange is a cryptocurrency exchange that utilize smart contract to allow investors to trade between users automatically. Decentralized exchange do not use any third party, centralized authority and do not require personal data to process the transactions. An addition to it, there will be no risk of server downtime as the platform hosting is distributed through nodes and the decentralized exchange system protected from being hack because it is being use in most of the computers in the world.

Litedex is a decentralized protocol that use an Automated Market Maker (AMM) of the Constant Product Market Maker (CPMM) type which is represented by classic functions:

$$x*y=c$$

Where x and y are defined as reserves of certain assets in the pool and c is a constant that cannot be changed. This serves to set the price of the selected token, which means that if the supply of x tokens increases, then the supply of y tokens decreases to maintain a constant value of c. This type of AMM, will always be able to provide liquidity, no matter how large the order sizes or how small the liquidity pool.



Token Swaps

Swap Tokens is a simple way to exchange one token for another via an automated liquidity pool. For example, if you only have USDT Tokens, and you want to own LDX Tokens as the LDX Token is very useful. You have to exchange the tokens from USDT to LDX in the Swap feature. And that applies to other Tokens/Coins. And if you don't find a Token that can be exchanged, for example USDT Token wants to be exchanged for ETH, but is not available in the Swap feature. That means the USDT/ETH Liquidity Pool is yet for avail.

When you do a token exchange (trade) on an exchange, you will pay a fairly low fee of 0.30%.

Liquidity Pools

Liquidity Pool is a smart contract that lock the tokens of its users to ensure the token liquidity on Defi Exchange. Users who use this smart contract are called Liquidity Providers (LP). Liquidity Pool provides a smart contract consisting of two tokens to form a trading pair. For example LDX and USDT, here we assume the price of 1 LDX is 10 USDT. Liquidity Provider (LP) provides the same amount of two tokens, namely 1 LDX and 10 USDT, to create / add to the liquidity pool.

Staking

Staking is the process of locking crypto assets as a form of participation in the maintenance of the Proof-of-Stake system on the Blockchain. Users who have carried out the lock process (Stake) cannot access the locked crypto assets for a predetermined period of time. The result of this process, will be rewarded in the form of crypto assets.

Yield Farming

Yield Farming is basically a practice of storing and lending crypto assets, with a process called Liquidity Mining that generate crypto assets (rewards).

Analytics (Info)

Analytic work as a provider of information in the form of charts or data recorded in the Blockchain. The data contains transaction volume per day, Total Liquidity, Top Token, Top Pair and others. This is an accurate information in a decentralized protocol as it is directly integrated with the Blockchain.

Lending

Lending is a decentralized lending service that operates as a protocol without the need to do KYC, crypto holders can lend on the platform to earn passive income from their holdings through interest fees paid by borrowers.

Borrowing

Borrowing is a decentralized borrowing service that operates as a protocol without the need to do KYC, crypto holders can borrow and pledge their crypto to get double profit from the increase in the price of the borrowed coin and the collateralized coin.



Non-Fungible Token (NFT)

Non-Fungible Token (NFT) is a crypto asset or digitized version of a real asset on the blockchain network, having a unique metadata identification code and non-exchangeable token. Due to its unique nature, NFT cannot be duplicated. And utilized by the artists, musicians, and the property developer.

LITEDEX NFT Marketplace

LITEDEX NFT Marketplace is a marketplace that trades digital forms of art collections and real estate. The first LITEDEX NFT Marketplace is built on the Binance Smart Chain blockchain and is gradually building on the popular blockchains that have been adopted.

Art Collection NFT

Art Collection NFT is a digital artwork that has become a Non-fungible Token (NFT). LITEDEX's own goal is to inspire artists to create their own work and expand their work in the wider NFT market.

Real Estate NFT

Real Estate NFT is property in the form of land and buildings in digital/visual form. LITEDEX's goal is to introduce the power of blockchain technology to innovate in the real estate industry.

Bridge

Bridge is a link between blockchain that improve interoperability across blockchain. With the bridge, users can transfer crypto assets from different blockchain networks and support conversion (cross-chain).



Tokenomics

LDX

LDX tokens are tokens that provide additional benefits or rights to the token owner known also as (Hodler). Crypto asset traders, usually present on decentralized or centralized exchanges to encourage exchange adoption. The token benefits offered to token holders may vary depending on the exchange that affect the exchange's operations.

LDX Tokenomics

Litedex have 2 mechanism of create emission supply :

1. Initial Total Supply
2. Block Emission for DeFi Ecosystem

Mechanism	Emission Rate (LDX)
Initial Total Supply	500.000.000
Block Emission	~210.240.000
Total Emission at the First Year	~710.240.000

The more information about Initial Total Supply and Block Emission are informed in the next section.

Initial Total Supply

The Initial Supply of Litedex's platform (LDX) is about 500 million tokens, the initial token supply is used to build an ecosystem, partnership, etc which will be used for several purposes as follows:

Section	% of Total Supply	Size (LDX)	Description
Private Sale	18.00 %	90.000.000	Early Investor
Public Sale	12.00 %	60.000.000	ICO - IEO - IDO
Research & Development	10.00 %	50.000.000	Unlocked in 1 month after platform launched and lasts for 5 months
Partnership & Ecosystem	30.00 %	150.000.000	Unlocked in 3 months after platform launched and lasts for 12 months
Foundation	24.00 %	120.000.000	Unlocked in 1 year after platform launched and lasts for 12 months
Bug Bounty Program	2.00 %	10.000.000	Provide to make a better system
Smart Contract Insurance	2.00 %	10.000.000	Mitigation Risk Control Management
Community Airdrop	2.00 %	10.000.000	Provide to Litedex Community
Total Supply	100.00 %	500.000.000	Provide to Build an Ecosystem



Emission Rate

Metric	Emission/block (LDX)	Emission/day (LDX)
Emission	20 per block	~376.000 per day
Effective Emission	20 per block	~376.000 per day

In addition to the above, a dynamic amount of LDX is also minted at a rate of 9.09%. This means that if 100 LDX are harvested, then 9.09 LDX is minted in addition and will be burned.

However, all LDX minted is burned directly after harvesting and never enters circulation. As such, we have not included it in the above emission rate.

Distribution

Distribute to	Reward/block (% of emission)	Reward/block (LDX)	Reward/day (LDX)
Staking	40%	8	~150.400
Farming	60%	12	~225.600
Total Daily Emission			~376.000

Other Deflationary Mechanism

At present, LDX is also burned in the following ways:

- **9.09%** of LDX after **Yield Farm harvesting**
- **100%** of LDX raised in **ILOs**
- **100%** of LDX spent on **NFT Merchant Creation**
- **2%** of every yield harvest in the **Auto Stake Compounding**
- **2%** of every yield harvest in the **Auto Yield Compounding**
- **100%** of LDX raised in **Burning Phase Competition**
- **1%** of LDX raised in every **NFT Transaction**

Note: This documentation can be updated anytime.

