

# Introduction

**BPX Chain** is a new generation Ethereum-compatible blockchain based upon an innovative consensus algorithm, **Proof of Space and Time (PoST)**, originally pioneered by the Chia Network. Proof of Space is a cryptographic technique where farmers prove that they allocate unused hard disk space to the network. Proof of Time increases the overall security of the blockchain.

Compared to **Proof of Work** blockchains, BPX Chain provides the same level of security and decentralization, with a fractional power consumption. Compared to **Proof of Stake** blockchains, BPX is more censorship-resistant and avoids the centralization tendency where wealthier participants gain an outsized influence.

BPX Chain generates new blocks using hard drives and is compatible with Chia K-32 plots, enabling simultaneous farming with other PoST-based cryptocurrencies.

BPX Chain is fully compatible with Ethereum Virtual Machine. Existing Ethereum-based solutions can be seamlessly migrated to BPX without modifying source code. BPX also supports the standard Web3 RPC API, ensuring compatibility with popular wallets (e.g., MetaMask, Trust Wallet) and developer tools (e.g., Remix IDE, Web3.js). BPX Chain provides standard interface for fungible and non-fungible tokens, compatible with the appropriate interfaces in other blockchains (e.g. ERC-20, TRC-20, BEP-20).

The BPX cryptocurrency powers the network, facilitating transaction fees and rewarding farmers who help secure the chain.

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