

# Introduction

**BPX** is a new generation Ethereum-compatible blockchain based upon an innovative consensus algorithm, **Proof of Space and Time** known from 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 provides the same level of security and decentralization, with a fractional power consumption. Compared to **Proof of Stake** blockchains, BPX is censorship resistant and does not suffer from the problem of “the rich get richer”.

BPX uses hard disk drives to generate new blocks. BPX supports Chia K-32 plots and can be farmed with other Proof of Space and Time cryptocurrencies at the same time.

BPX is fully compatible with Ethereum Virtual Machine. Developers can build smart contracts and dApps in Solidity language and all existing solutions can be migrated to the BPX network without any changes in source code.

BPX provides a standard Web3 RPC API, so it works out of the box with all popular wallets (e.g. Metamask, Trust Wallet) and development tools (e.g. Remix IDE, Web3.js).

BPX 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 is used to pay blockchain fees and rewarding farmers involved in securing the network.

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