HELIX
C R Y P T O C U R R E N C Y

WHITEPAPER

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Introduction

Thanks to a lot of technological innovations in the past years, enormous wealth and opportunities became reality for the big crowd. Cryptocurrencies and the adoption of blockchain technology play a great part in this revolution
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On January 3rd 2009, the very first transaction of Bitcoin took place. Satoshi Nakamoto, the founder of the first Ledger of decentralized global transactions, also referred to as the blockchain, accomplished something what everyone thought was impossible. Bitcoin is now considered as the 'original' cryptocurrency. Even though Bitcoin is having a hard time to become adopted by the world as a currency, tremendous milestones have been reached.

One of Bitcoins main issues is the fact that it takes a lot of time to confirm a transaction. This is a major problem for merchants. Helix seeks to solve this issue by implementing the blockchain technology from Bitcoins code, but with a faster and more responsive network. Therefore, Helix is a better option to use as a currency since it has a greater potential in terms of transaction volume and speed.

Although a lot of institutions have the intention to track and spy on their users, privacy is a great good for us all. This is something Helix takes very seriously and promises to deliver in high quality. The most acknowledged cryptocurrencies like Bitcoin do not offer adequate protection of a person's identity. Transactions made on the blockchain are easily traced by an investigator. These 'pseudonymous' transactions are all recorded and traceable. Helix implemented an improved privacy feature as a solution to this problem.

Helix is a premium privacycentric cryptocurrency based on the product of Satoshi Nakamoto, improved with strong features resulting in a decentralized, effectively anonymous cryptocurrency, with immediate (private) transactions and an incentivized network to provide additional services and security to the blockchain network of Helix.

Usage

Helix has numerous features. Remember that this list is not limited, and that we will always work hard to add new features:

- Fast and secure transactions.
- Strong privacy with options for both private and transparent transactions.
- Rewards for participating in the Helix network. This includes Proof of Stake (PoS) as well as the possibility for masternode rewards.
- Participating in governance and voting in important matters that concern the whole community.
- Multi-OS wallets: Windows, MacOS, Linux, and many more to come.
- Very easy access to all our features and wallets.
- We will continue to work hard on making Helix grow, check out our roadmap for details.

We believe in empowering individuals by creating a strong community. We give freedom back to the people by using our strong Helix blockchain network and decentralized technology. This allows people to do business without the compromise of being subject to surveillance by centralized or legal institutions.

We have set our maximum block sizes to 2 MB. By doing so, Helix will be able to handle a higher transaction volume than Bitcoin with faster confirmations. This will open up the path for a world adopted currency.

Helix is accessible for everyone. It's very easy to install and use right away. This is crucial as other cryptocurrencies don't provide this ease of use. By helping every individual with a highly personal approach, we aim to create a joyful community in which everyone can participate.

Proof of Stake

Bitcoin uses a cryptographic hashing algorithm to encode the transactions in the blockchain. Miners create these hashes by using a 'Proof of Work' (PoW) algorithm. The network hashrate is actually inflating as it requires a lot of power to create a new block in its blockchain.

Unlike Bitcoins PoW mechanism, Helix blockchain uses a hybrid system. The first 90.200 blocks are PoW, and after this period we switch to a PoS mechanism. The rewards a user receives depends on the amount of stake the participant has in the Helix network. The more you participate in validating and processing Helix transactions and its blocks, the more rewards you receive. Therefore, it's incentivized to invest in Helix as a valuable core product.

The way Helix blockchain consensus works offers a lot of advantages:

By taking mining out of the hands of only a few big miners, the work is evenly distributed across the community.

Eventually, the community will provide Helix with a robust and secure network. Holder of the Helix network will be stimulated to intensify the value of Helix and all its aspects. By downloading our Helix wallet and letting it run 24/7, the user will receive its share of the block rewards in return for securing the Helix network.

We have created a detailed guide for setting up everything you need. Also, feel free to contact us whenever you need or join us on social media for additional support.

- Less power and electricity are used to secure the Helix blockchain. Our PoS system is environment-friendly and much more sustainable.
- With a linear scale regarding the percentage of blocks confirmed by the miner, PoS is a fairer system than PoW since anyone can become a 'miner'.
- PoS aids decentralization. A Helix node can operate on a very inexpensive running system.

Masternodes

The value of Helix lies in its main vision: building a secure and scalable currency. Therefore, Helix implemented masternodes, which can be used to earn more Helix by passive income to increase your holdings with a great risk/reward ratio. A masternode costs 10.000 HLIX and gives a ROI of 60%.

Masternodes are enhanced nodes that are always up and running, which provide additional functions and security to the Helix network. Masternodes provide an enhanced form of staking, increase the privacy and speed of transactions and enables participation in governance and voting within the Helix community. A Helix masternode processes Zerocoin (zHLIX) transactions which ensures topnotch privacy (more about this subject under 'Privacy').

With our detailed guide to set up your own masternode and personal support in our social media community, running a Helix masternode is available for anyone. You can set up and operate your masternode on your computer at home, a Raspberry Pi, or on a Virtual Private Server (VPS). The Helix masternodes are IPv6

supported and multiple masternodes can be run if one wishes. Also, for additional security and privacy, you can run your masternode using a router which operates on Tor/Onion.

Once important decisions have to be made, the masternode owners will have their democratic influence on the outcome. Since we care about every individual, we want you to be involved. By doing so, Helix created a decentralized system which determines how our funds are allocated for Helix's development.

A great feature of the Helix masternode is the fact that you don't have to worry about your wallet going offline. The masternode will continue to operate. If for some reason you would like to stop the masternode from running, you can unlock your Helix coins whenever you'd like.

Privacy

Helix believes in true and strong privacy. Bitcoins transactions are traceable for anyone who's interested to find out. A high degree of privacy doesn't allow this potential loss of privacy. That's why Helix implemented the Zerocoin protocol. For detailed information about Zerocoin, read their whitepaper[1].

For this service, Helix coins have to convert into a zHLIX coin. This process, called 'minting', is provided by masternodes running on the Helix Blockchain. No traces are left behind during this process. RSA-2048 encryption makes sure no information about the users is shared whatsoever. To reverse this process, you can send your zHLIX coins to your own address back into regular HLIX coins.

Another interesting feature about the zHLIX protocol is the fact that when HLIX coins are converted into zHLIX, they no longer show up on your public balance anymore. This will take away any concerns a person can have of being targeted by hackers. The following Zerocoin scheme explains how it works[2]:

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[1] http://zerocoin.org/media/pdf/ZerocoinOakland.pdf
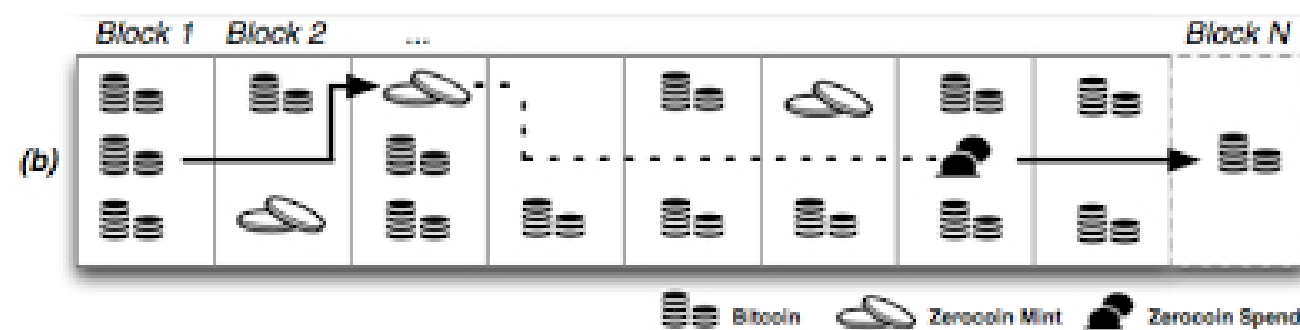
[2] For more information about the Zerocoin protocol, please visit http://zerocoin.org

Coin information

Helix is founded on September 1st 2018. A total coin supply of 500.000.000 HLIX was created, with a functional pre-mine of 1% (5.000.000 HLIX). This will be used for marketing, development and exchange listing fees. The first period will exist of a PoW phase (10.000.000 HLIX), followed by a PoS phase (485.000.000 HLIX).

The following table show the coin specifications:

Algo	Quark
Block Time	60 Seconds
Difficulty Retargeting	Every Block
Max Coin Supply (PoS Phase)	500,000,000

The following table shows the block rewards. They adjust after a certain amount is reached, to control inflation of the supply of Helix:

Block Height	Reward	Masternodes	Proof of Work
201 - 90.200	111.0 HLIX	0.0 HLIX	111.0 HLIX
Block Height	**Reward**	**Masternodes**	**Stakers**
90.201 - 525.600	15.0 HLIX	8.1 HLIX	5.4 HLIX
525.601 - 1.576.800	13.5 HLIX	7.29 HLIX	4.86 HLIX
1.576.801 - 2.628.000	10.8 HLIX	5.83 HLIX	3.89 HLIX
2.628.001 - 58.545.900	8.1 HLIX	4.37 HLIX	2.92 HLIX
58.545.901 - 58.545.902	4.2 HLIX	2.27 HLIX	1.51 HLIX
> 58.545.902	0 HLIX	0 HLIX	0 HLIX

Community

The community started with a couple of early adopters who were unhappy about the way some projects were run by its developers. No innovation or vision whatsoever made us motivated to create something better. Since Helix did not have an ICO and only started with a functional pre-mine of 1%, it's really thanks to the true core believers who put in their time and effort that made Helix a reality.

We aim to provide 24/7 support, and we believe in a community who help each other out. Positivity and fun should be your top priority as a Helix community member. In accordance to this, we created the Helix masternode governance system to bring back the power to the people. By letting you decide on important matters, you're in control of your investment.

Join us!

More people are joining every day and we hope this growth won't stop. Don't feel afraid to join us and introduce yourself. We're looking forward to meet you!

With the upcoming years ahead of us, we believe that exciting things will happen. Helix is a premium privacy centric cryptocurrency, with strong features resulting in a decentralized, effectively anonymous cryptocurrency, with immediate (private) transactions and an incentivized network to provide additional services and security to the blockchain network of Helix. We will continue to work hard on the project, and hope to see you join us.

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