

WELCOME TO THE NEW

QUANTISNETWORK

Abstract

The Quantis Network seeks to use distributed ledger technology to develop tools that will enable individuals to exercise their fundamental human rights of privacy and free speech. In addition, the Quantis Network seeks to establish a privacy enabled electronic cash system that removes the need for trusted third parties and integrates automated monetary policy controls. Quantis uses the X11 algorithm with a custom blockchain for block generation and uses a bonded validator system to facilitate private transactions.

“Privacy is not secrecy. A private matter is something one doesn’t want the whole world to know, but a secret matter is something one doesn’t want anybody to know”

“We must come together and create systems which allow anonymous transactions to take place.”

“We cannot expect governments, corporations, or other large, faceless organizations to grant us privacy out of their beneficence.”

“Privacy in an open society requires anonymous transaction systems. An anonymous system empowers individuals to reveal their identity when desired and only when desired; this is the essence of privacy. Privacy is the power to selectively reveal oneself to the world.”

by Eric Hughes, March 9, 1993.

Worldwide Decentralized Development

Hello everyone, welcome to Quantis! We believe that for a decentralized movement to thrive and grow, its development should be spread out to many developers. Quantis' development is an ongoing and decentralized task from various teams around the globe. In this way, development would not be constrained and dependent to a singular person or entity. The project is open source and hence, independent contractors, contributors and volunteers make its development truly decentralized.

Here are some of our milestones:

We launched multiple social media platforms including Telegram, Discord, YouTube, Reddit, the Quantis Network Forum, and Twitter. We also established a presence on BitcoinTalk.

We placed Quan, our native cryptocurrency, on TradeOgre and STEX. We also formed partnerships with Masternodecap.com and the GIN Platform. Quan is also integrated in SatoWallet.

The Road to Privacy Begins with Freedom

Why we shifted away from PIVX and onto a custom blockchain

Any decision to fork away code is a tough one. Community deliberations were held even though it was a developer initiative. Upon consultation and with the majority, Quan forked from the PIVx blockchain and moved to a custom blockchain. On our end, it came with the intention to do away with the weaknesses of PIVx, to wit:

"On January 23, 2019, a team of student researchers from the University of Illinois Urbana-Champaign, discovered what they now call as the Fake Stake Vulnerability. UIUC Researchers Sanket Kanjalkar, Yungqi Li, Yuguang Chen, Joseph Kuo together with their advisor Prof. Andrew Miller informally published the results of this research on Medium, ~Fake Stake Attacks on Chain-based Proof-of-Stake Cryptocurrencies."

Among the included was the old PIVx based Quantis.

It is on this premise that the community decided to fork away to a custom blockchain.

The Quantis community has since grown exponentially especially with the excitement brought about by Masternode staking.

To-date, there are over 2,216 Quantis Masternodes Live

Introduction

Welcome to Quantis, a cryptocurrency focused on defending the fundamental human rights of privacy and free speech. The Quantis Network is a set of decentralized tools and applications that allow users to transact and communicate privately and anonymously.

Quantis believes in privacy. If you're new to the concept of privacy as an inherent right, you may be asking, *"Why does one need to transact privately or communicate anonymously? Is it because they have something to hide?"*

To be clear, Quantis was not designed with the intention of hiding illicit activity. Rather, it seeks to maintain the privacy of individuals should they choose to have it. Furthermore, the Quantis Network exists to enable individuals with the power to communicate when they are otherwise silent out of fear of public scrutiny for disagreeing with the common majority.

At its core, Quantis stands for freedom. It seeks to defend that freedom with decentralized applications that provide anonymity and privacy. The Quantis blockchain code is based on custom blockchain with the X11 hashing algorithm with added features. Quantis employs masternodes to help facilitate private transactions.

All of the Quantis network's privacy features are built directly into the wallet. This allows the user to transact and communicate using an all-in-one system. It is recommended that masternode operators also use a Virtual Private Server.

It is worth noting that Quantis was funded solely by the contributions of its developers. Quantis did not seek funding as an ICO. It was launched on April 25, 2018.

"Arguing that you don't care about privacy because you have nothing to hide is like arguing that you don't care about free speech because you have nothing to say."

Edward Snowden



Mission Statement

To advance the ideals of privacy and economic security as a cornerstone of the new blockchain economy.

Freedom of Expression and the Sovereign Right to Privacy

We firmly hold that the inalienable right to privacy is central to the ethos of freedom of expression. It is only within the context of privacy that meaningful expressions can exist. Dissent and minority points of view that may not toe the mainstream mode of thought could only flourish in the sanctuary of privacy. Anonymity grants us the power to express with the utmost freedom unbounded by threats and censorship.

Universal

We build and work tirelessly towards this framework of freedom bridged by technology. We want to grant these abilities to others regardless of creed, race, nationality, gender, belief or background. We believe that making these technologies universal, empower the individual across a wide spectrum of the social and political strata.

Exemplification

The best promotion is exemplification. We practice our beliefs to bring to light our credo. We do this in the hopes of shining a path towards enlightenment. True liberation comes from leadership through example. It is only through demonstration that we can shed light to the increasing Orwellian realities that threaten our fundamental rights.

Information Interchange

In days when mass surveillance infringes on our daily lives through both benign and aggressive means, we believe in consensus and consent in communication. No power should have a monopoly on all the medium of exchanges. No corporate entity should have the hegemonic wherewithal to treat our communication, exchanges and personal information as if it were theirs. Open communication should have the option to be limited by the parties involved - and not anyone else.

Quantis is a distributed ledger system based on the X11 algorithm implemented on top of a custom blockchain.

The primary objective of the Quantis Network is to defend the privacy of its users. In this paper, we propose a system designed to provide privacy and decentralization.

Our vision is to provide a comprehensive private communications package to the community utilizing distributed ledger technology. Quantis also seeks to provide individuals with a method of transacting privately and anonymously.

To eliminate the need for banks and payment processing networks (trusted third parties), we utilize a peer-to-peer electronic cash system further powered by the X11 hashing algorithm on top of a custom blockchain.

The system provides a secure decentralized payment network that automates recordkeeping and account creation.

Further, the system provides an integrated electronic medium of exchange (coins) that eliminates the need for physical currency.

The medium of exchange used on the Quantis Network is a Quan.

Quantis has the following features:

- ◆ Consensus Algorithm: X11 (Custom Blockchain)
- ◆ Block size: 2 MB
- ◆ Block time: 90 seconds
- ◆ Tx/secs: 173 TPS (Theoretical Maximum)
- ◆ Mine-able: No
- ◆ Stake-able: Yes
- ◆ Masternode Support: Yes
- ◆ Masternode Collateral: 10,000
- ◆ Minimum Confirms: 6

Coin Specification

- Year 1: Block reward: Max. 500 QUAN per block
- Year 2: Block reward: Max. 750 QUAN per block
- Year 3: Block reward: Max. 1000 QUAN per block
- Year 4: Block reward: Max. 100 QUAN per block

Estimated Blocks by Date

- At April 2020: Blocks = 350,400
- By April 2021: Blocks = 700,800
- By April 2022: Blocks = 1,051,200
- By April 2023: Blocks = 1,401,600
- By April 2024: Blocks = 1,752,000

Estimated Coin Supply by Date

- At April 2019: 292,503,750 QUAN
- By April 2020: 460,000,000 QUAN
- By April 2021: 680,000,000 QUAN
- By April 2022: 987,000,000 QUAN
- By April 2023: 1,100,000,000 QUAN
- (Theoretical Maximum, will be lower due to fee burning and undistributed governance)

Proof of Stake Eligibility

- Maturity: 101 Confirms
- Wallet Status required to remain online with staking started

Budget Eligibility / Governance / Masternodes

- 20% of Block Rewards used to fund budget when activated
- Each Masternode is allowed 1 vote per proposal
- Sentinel required on Masternode to be eligible to vote
- Node expiration: 120 minutes
- Node removal: 130 minutes



Table 1.1: Coin Specification

Start	End	Reward	MN	PoS	Dev	GVN
2,500	12,500	1000	850	125	25	0
12,501	35,400	500	439.375	23.12	12.5	25
35,401	525,600	500	416.25	46.25	12.5	25
525,601	700,800	750	659.0625	34.6875	18.75	37.5
700,801	876,000	750	624.375	69.375	18.75	37.5
876,001	1,051,200	1,000	740	185	25	50
1,051,201	1,226,400	1,000	693.75	231.25	25	50
1,226,401	1,401,601	100	83.25	9.25	2.5	5
1,401,601	1,576,800	100	46.25	46.25	2.5	5
1,576,801	∞	1	0.69375	0.23125	0.05	0.1

Q-Net and Q-Hidden

Allied technologies erstwhile associated with the old Quantis, such as QNet and Q-Hidden would be relegated to the mobile platform the team is currently developing. Development funds would be utilized for the furtherance of these goals and the main thrust would be focusing on privacy and security.

It is high time that a unified platform incorporating communication applications with high-level security and encryption in a single application was made for mobile devices. The team is also looking into developing backend capability to automatically and seamlessly log-in the wallet user to a Virtual Private Network (VPN).

This multi-layered approach in privacy and security is a challenge that the team is willing to take on. The seamless integration of all these functions form the critical core of the project's main value proposition.

Q-Venture

Qventure is a Quantis related game on desktop and mobile platforms for the entertainment of our users.

"Civilization is the progress toward a society of privacy. The savage's whole existence is public, ruled by the laws of his tribe. Civilization is the process of setting man free from men."

Ayn Rand

SatoWallet Support

SatoWallet brings to the table a seamless exchange and staking integration that will make the whole Quantis experience a pleasure to behold.



More exchanges for your Quan mean more liquidity. With over 80,000 users and growing, you will be sure that you can easily exchange coins with a ready market. There are currently 68 coins listed, with 37 market pairings and 6 base currencies including: BTC, DOGE, ETH, LTC, USDT and XVG.

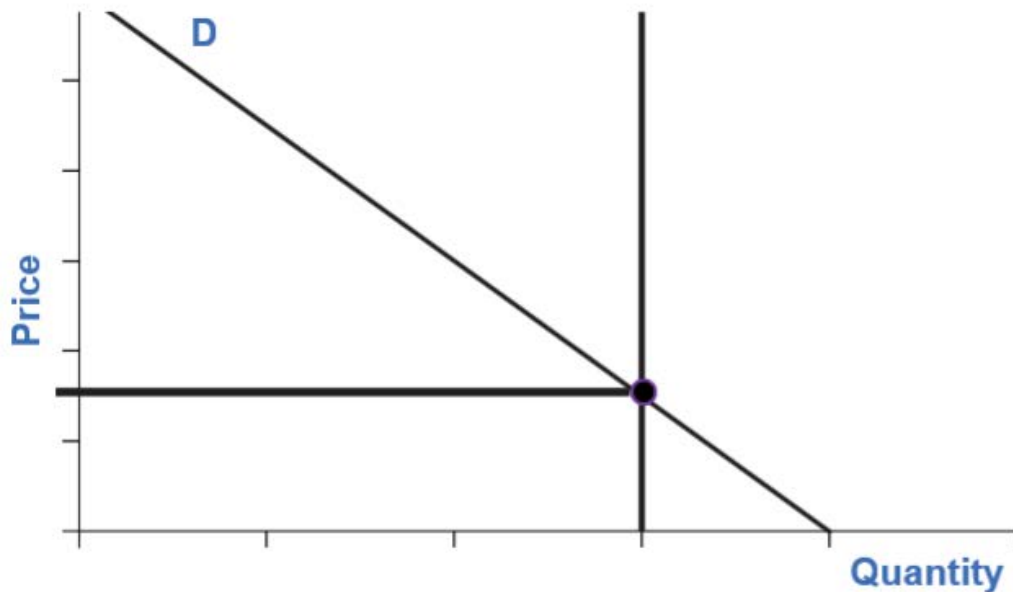


Staking is also made easier since Satowallet supports coin staking natively.

Integrated Monetary Policies

Distributed ledger systems require constant block generation to record transactions. Because coins are distributed on a continuous basis, the currency is subject to hyperinflation. The market becomes saturated with an excessive number of coins and demand cannot keep pace with the quantity supplied.

Hyperinflation Due to Excessive Supply



Quantity

To combat this issue, two deflationary reserve incentives are built into the Quantis Network: staking and masternode rewards.

Staking

Staking is used in conjunction with the operation of nodes to validate transactions and secure the system. Individuals are incentivized to set aside coins (the stake) to earn rewards in the form of transaction fees collected by the network. In general, the rate of rewards paid are based on the number of coins staked by each user. Coins set aside for staking are removed from the circulating supply creating deflationary pressure (see figure 2 below).

Masternodes

Masternodes are used to perform special functions on the network such as facilitating private transactions. Quantis boosts network validation using masternodes. Individuals can operate a masternode after storing a sufficient amount (10,000 Quan in this case) of coins as collateral.

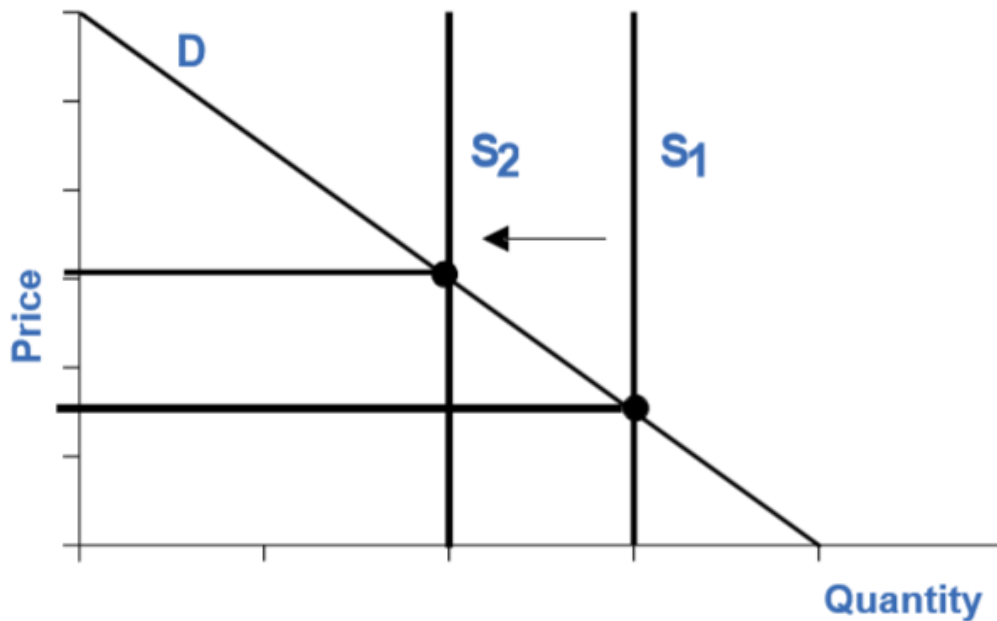
Each masternode supports the blockchain and performs special functions to facilitate private transactions. Masternodes support privacy and anonymity.

Quantis Masternode Specifications:

Collateral: 10,000 QUAN

The Quantis network also uses Masternodes as a deflationary tool. Like staking, individuals who run and maintain a masternode are rewarded with a portion of the transaction fees collected by the system. Unlike staking, users must set aside a specific amount of coins as collateral to run a masternode. The effect is the same as that of staking: coins are removed from the circulating supply to counteract the forces of Hyperinflation Due to Excessive Supply hyperinflation.

Effect of Deflationary Reserve Incentives



The Quantis Network requires users to collateralize 10,000 coins to operate a masternode.

Conclusion

Quantis is an open source digital currency specializing in privacy and decentralization. The Quantis Network's primary objective is to defend the privacy and free speech of our users. Quantis provides a comprehensive private communications package to the community utilizing distributed ledger technology. Quantis uses a hybrid consensus mechanism to protect the network from centralization. Users may support the network and earn rewards through proof-of-work mining or proof-of-stake validating. Users can also help to strengthen the network and earn rewards by operating a masternode.