

WHITE PAPER – APRIL 2021

PAPER



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B2 Coin

B2 Coin is an established digital currency that allows individuals to make fast and secure transactions through a decentralized peer-to-peer network. It's digital cash and works without the need for bank or transfer fees. Supported by a large community of established and aspiring entrepreneurs, Community Coin has great potential for rapid growth and expansion.

Introduction:

Bitcoin will always be one of the most innovative developments in the history of financial transactions. Bitcoin, as the first decentralized digital asset, proved that it is possible for something intangible, with no issuer and no backing, to have a trillion-dollar market.

The popularity of Bitcoin as a payment network and a new kind of money not only attracted by Fintech pundits, but also traders and investors looking to exchange fiat money to digital assets in hopes of making a profit as prices advances. Because of the demand for digital assets, Bitcoin's existing concepts had been used as a reference to develop more crypto currencies that contributed to the creation of many marketplaces that allow trading in digital currencies.

Projects like ETH, EOS, and TRON are also major contributors in the expansion of the cryptocurrency space. By enabling developers to create their own coins through a main network (main net), these projects are responsible for paving the way for new cryptocurrencies to emerge.

What is Blockchain Technology?

Companies around the world have been developing solid applications using the Blockchain technology. The financial sector, including banks and other payment processing institutions, have begun exploring ways to incorporate the technology into their systems to improve efficiency, security, and speed of transactions and information.

The skyrocketing prices have brought the global attention to the technology as institutions, companies and individuals around the world desire to tap into the benefits of the technology. Extreme high accuracy, proven security and the ability to verify information especially monetary transactions and secure online payments and money transfers are just a few by-products of the Blockchain revolution. There are not only the companies that have been reaping the benefits of this technology but also individuals have had much to gain as well. Data from leading job sites in the United States show an increasing number of Blockchain related jobs. The jobs tripled in 2019 indicating that the industry is growing at a fast pace of about 257% from December 2017.

Cryptocurrency's a digital or virtual currency that uses cryptography(encryption)for security and is based on blockchain technology. The term "blockchain technology" typically refers to the transparent, trust-less, publicly accessible ledger that allows us to securely transfer the ownership of units of value using public keys. The technology uses a decentralized consensus to maintain the network, which means it is not centrally controlled by a bank, corporation, or government. In fact, the larger the network grows and becomes increasingly decentralized, the more secure it becomes. Thus, it is not issued by any central authority, rendering it, theoretically, immune to centralized interference or manipulation. The potential for blockchain technology is not limited to cryptocurrency. It has gained much attention and utility in a variety of industries including financial services, charities and non-profits, the arts, and ecommerce.

What is Tron?

TRON is a Blockchain-based decentralized operating system based on a cryptocurrency native to the system, known as TRX. TRON was founded by Justin Sun in 2017 The TRON protocol, maintained primarily by the TRON Foundation, distributes computing resources equally among TRX holders with internal pricing mechanisms such as bandwidth and energy. TRON provides a decentralized virtual



machine, which can execute a program using an international network of public nodes. The network has zero transaction fees and conducts approximately 2,000 transactions per second. The implementations of TRON require minimal transaction fees in order to prevent malicious users from performing DDoS attacks for free. TRON, due to the negligible fees, high transactions per second, and high reliability, and as such are regarded as a new generation of blockchain systems. Some researchers defined TRON as an Ethereum clone, with no fundamental differences. B2 Coin is also a part of this international technological movement.

What is B2 Coin?

B2 Coin is a peer-to-peer digital currency and an open-source project. B2 Coin creation and transfer is based on an open-source protocol and is not controlled by a central authority. B2 Coin started in 8 April, 2021. Developed at Tron platform.

By joining the Tron network, B2 Coin can access smart contract technology and second-layer software, as well as decentralized application developments. B2 Coin is a straightforward, utility token, with its B2 and user base.

Benefits of a decentralized Tron Platform for B2Coin:

B2 Coin is now secure, as it runs on the Tron layer that is supported by thousands of nodes. This makes it much harder to be 'attacked', hacked or affected by issues with its blockchain or the transactions. Its new benefits also include:

- Increased development potential due to the smart contract features
- Faster adoption of B2 Coin, due to the TRC20 standard employed by exchanges and in wallets, as the TRC20 standard makes B2 Coin easier for their teams to audit and check its code.
- Multiple cross-platform wallet and payment solutions to choose from.
- Sharing in scalability and side-channel technology developed by the Tron B2.
- A third party cannot make any changes to data.

What is TRC20 Token?

TRC-20 is a technical standard used for smart contracts on the TRON blockchain for implementing tokens with the TRON Virtual Machine (TVM). It is fully compatible with ERC-20. In order to swap, transfer, share token and be supported by digital wallets, all the TRC20 tokens follow a series of specifications which include 6 required items and 3 optional items.

This means that it can be used in smart contracts and potentially with all other extensions and future development of the Tron platform. Not only does this make our development more efficient, but it also offers our B2 Coin B2 access to the combined new developments on the Tron blockchain, its programming language and second layer applications that helps put distributed ledger technology into the mainstream. 2021 Having B2Coin as part of the Tron eco system will make it easier for third parties to integrate B2 Coin into their systems. Examples of such third parties include exchanges, wallet creators, payment solutions providers, and so on.

- With no central point of failure and secured using cryptography, applications are well protected against hacking attacks and fraudulent activities.
- A large choice of Tron wallets capable of supporting TRC20 tokens like trust wallet.



- Uniform and fast transaction confirms the transaction more efficiently.

There are six unique functions that TRC-20 expounds for the sake of other tokens within the Tron network. These are relatively basic functionality issues and threats, including the processing which these tokens are transferred across the network and how Tron users can be granted access to information regarding a particular token.

The benefits of using TRC-20 token include convenience and liquidity. Since the TRC20 regulations present a proper blueprint for developers to follow, it is easier for them to come up with tokens instead of starting from a blank sheet.

There are far too many obstacles and gaps to fill in when creating tokens with specific functions from scratch. Aside from the token-creating process, there are also other tasks that developers need to spend considerable time in, which are creating safe wallets and applying for token listing on exchanges. There is also the threat of transferring tokens through broken contracts, which make the transaction process tedious and prone to hacks.

Why we choose Tron TRC20 token standard as our main token?

To better understand the Tron TRC20 token standard, it is essential to know why it is difficult to create new applications and currencies in the original Bitcoin Blockchain. The Bitcoin Blockchain has some problems that make it a bad choice. These problems are highlighted below

1. Bitcoin Blockchain is not a more general-purpose program:

What distinguishes Bitcoin from not being a more general-purpose program is its design as a monetary system. Therefore, the ledger of the account balance is its internal program state. This means we can easily set up a new Bitcoin wallet but writing a program that calculates and distributes the tokens on top of that wallet is difficult.

2. Security Issues:

Talking of security, Bitcoin cannot be referred to as a Turing-complete scripting system. A Turing complete scripting system can find answers to any computable problem when given enough time and memory. In general, two things are required: firstly, the ability to repeat or ignore instructions when certain conditions are met, and secondly, the ability to store data as a variable. One of the main reasons why Bitcoin is not a Turing-complete system is because it does not support programming loops as a security measure. The programming loops can activate a DOS (denial of service) attack because the attacker can tell the miners to make infinite loops.

3. Longer Block time (Slow Confirmation):

Finally, the block time of Bitcoin is too long for a cryptocurrency. At 10 minutes per block, transactions could take over an hour to clear and then be verified after they are few blocks deep within the chain.



B2 Coin Wallets:

B2Coin can be kept, stored, spent, by using popular TRC20 wallets, like, Tron Link, Trust wallet, Atomic or Exodus, wallets that offer support for B2Coin. Users can now select the wallet of their choice and enhance its usability and allow storage on cold wallet solutions, like Ledger or Trezor, or other similar devices, to keep their B2Coins and other TRC20 tokens safe and secure. Due to the wide availability of Tron wallets for mobile devices and tablets, payments, trading, and transfer of B2Coins is getting easier and more available for both entrepreneurs and consumers.



Technical Specifications

Smart Contract Address:

TY1gQY4p9qHUv62QfjJrKYaJU1YNDttBNw

B2 Coin Symbol:

B2C

Explorers:

<https://tronscan.org/>

(<https://tronscan.org/#/token20/TY1gQY4p9qHUv62QfjJrKYaJU1YNDttBNw>)

trx.tokenview.com

(<https://trx.tokenview.com/en/token/TY1gQY4p9qHUv62QfjJrKYaJU1YNDttBNw>)

Total Supply:

21,000,000

B2 Coin Precision:

8

Official Website:

<https://www.btwocoin.org/>

