FuzeX

WHITE PAPER

NOVEMBER 2017

Contents

Legal Disclaimer

Please read the following contents carefully before participating in the FuzeX Token Sale. Contributions to the FuzeX Token Sale are used to further the development of the FuzeX Project as outlined in this whitepaper (subject to development changes). The FuzeX Tokens (FXC) are not securities and do not represent any ownership in FuzeX. The contents of this whitepaper are not used for financial promotions. No entity other than FuzeX can engage in issuing FuzeX Tokens and FuzeX Tokens are intended to operate according to the plan described in the whitepaper (subject to development changes).

In engaging with FuzeX and the FuzeX Community, you confirm full understanding and compliance of the following:

1. You acknowledge that FuzeX Tokens do not constitute securities in any jurisdiction.

2. The contents of this whitepaper are not a financial promotion. Therefore, none of the contents of this whitepaper serve as an invitation or inducement to engage in any sort of investment activity.

3. You acknowledge that the contents of this whitepaper, the undertaking of FuzeX Token Sale, and/or the trading of FuzeX Tokens, should not be interpreted by you as an indication of the merits of FuzeX, including but not limited to, the FuzeX Tokens, the FuzeX Token Sale, the FuzeX Card, the FuzeX Wallet, the FuzeX Exchange, and the FuzeX Blockchain.

4. You are fully aware of and understand that you are not eligible to participate in the FuzeX Token Sale if you are a citizen, resident (tax or otherwise), or green card holder of countries where Token Sales are restricted (such as, but not limited to: the United States of America, Singapore, China, and South Korea).

5. You acknowledge that any information contained in this whitepaper and any current or future communication from FuzeX and its members, should not be construed as a guarantee of profit or benefit in any form, regardless of the time of their occurrence.

6. You acknowledge that there may be known and unknown risks associated with cryptocurrencies, such as heavy fluctuations of cryptocurrency values, innate risks in the cryptocurrency industry, which may result in financial losses. You agree that you understand the risks and are able to bear potential losses in full.

7. You acknowledge that there are risks associated with FuzeX and its respective business and operations, the FuzeX Tokens, the FuzeX Token Sale, and the FuzeX Ecosystem.

8. You acknowledge that the FuzeX Ecosystem is currently being developed and may undergo significant changes before release.

9. You acknowledge that FuzeX may send you emails from time to time, but these email notices will not ask for confidential information from you. You should not respond to any suspicious and unofficial inquiries regarding FuzeX Tokens in order to reduce the possibility of fraud, phishing attempts, and other schemes perpetrated by malicious third parties.

10. You acknowledge that FuzeX does not warrant the period of time for which the FuzeX Ecosystem will be operational. The FuzeX Ecosystem may be abandoned for a number of reasons, including a lack of interest from the public and a lack of funding to develop solutions.

11. After participating in the FuzeX Token Sale, you will become a FuzeX Token Holder. FuzeX Token Holders will never own any securities or any interest in FuzeX.

12. To participate in the FuzeX Token Sale, the contributor needs to confirm that he/she:

   -Is legally permitted to purchase or possess tokens in the contributor's jurisdiction
   -Is of a sufficient age and capability to legally purchase or possess FuzeX Tokens
   -Will take sole responsibility for any restrictions and risks associated with the purchase of FuzeX Tokens
   -Has a full and complete understanding of the usage, intricacies, and risk of block chain based assets.

Abstract

The technology that brought us the first transparent, secure, and decentralized currency through Bitcoin has opened the floodgates for incredibly innovated business solutions through smart contracts on networks such as the Ethereum Network. In this process, a large number of businesses have minted a growing group of people with significant wealth tied to cryptocurrencies.

However, as it stands, the process to translate the wealth accumulated in cryptocurrencies to real-life experiences for cryptocurrency owners to enjoy is, unfortunately, painfully inconvenient. The activities of purchasing, transferring, and exchanging cryptocurrencies to widely accepted "money" are complicated, slow, and unstable.

The real-world usability problems associated with cryptocurrencies have encouraged a number of companies to tackle this worthy challenge. While many of the contenders in this space have approached it with a seemingly logical prepaid card solution, their use cases are limited to just a few cryptocurrencies and acceptances are limited to just a small number of merchants, thus, hampering wide adoption.
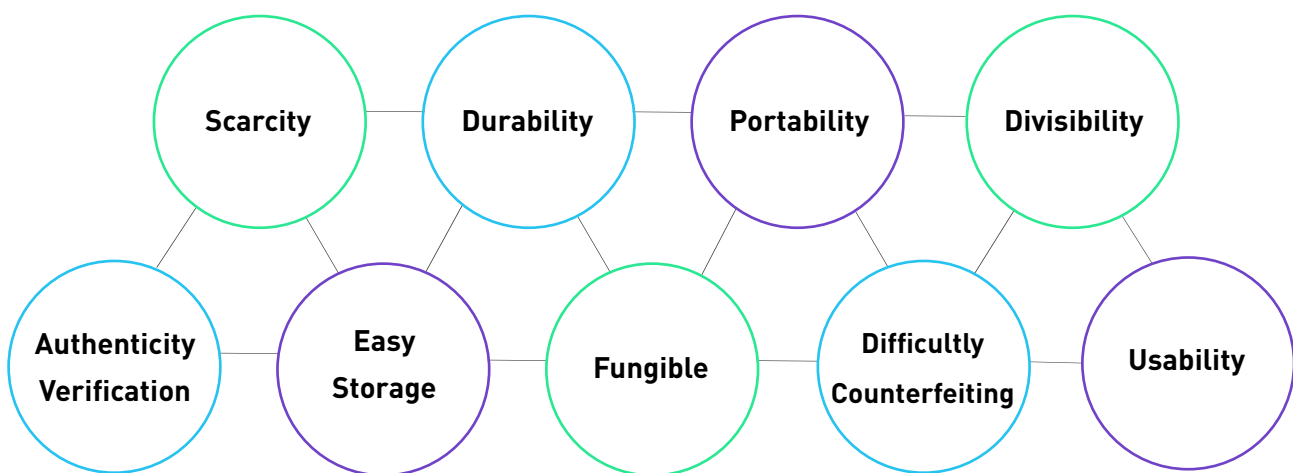
In this regard, FuzeX is looking beyond the standard approaches and is seeking to deliver an innovative user experience as well as solving the cryptocurrency usability problem by introducing the FuzeX Ecosystem.

Vision

❝ The FuzeX Team strives to make all forms of currency payment (fiat, rewards and cryptocurrencies) secure, reliable and user/merchant friendly. ❞

With wider acceptance and growing interest in blockchain technology and innovative financial solutions, cryptocurrencies are closer to being recognized as "money" more than they ever have before. After all, it has all the features of what is currently accepted as "money".

Cryptocurrencies like Bitcoin or Ethereum all share the following characteristics that help define "money":

Scarcity   Durability   Portability   Divisibility

Authenticity Verification   Easy Storage   Fungible   Difficultly Counterfeiting   Usability

However, when it comes to the usability characteristic of "money", cryptocurrencies face a serious challenge.

Our vision at FuzeX is to break down the "nice to own, but difficult to spend" problem with cryptocurrency and help bring to completion its journey as a widely recognized and accepted form of "money". We seek to solve this final usability issue of cryptocurrency by combining our experience in payment solutions and blockchain technology with our technical know-how in software and hardware development, all led by our innovated business approach
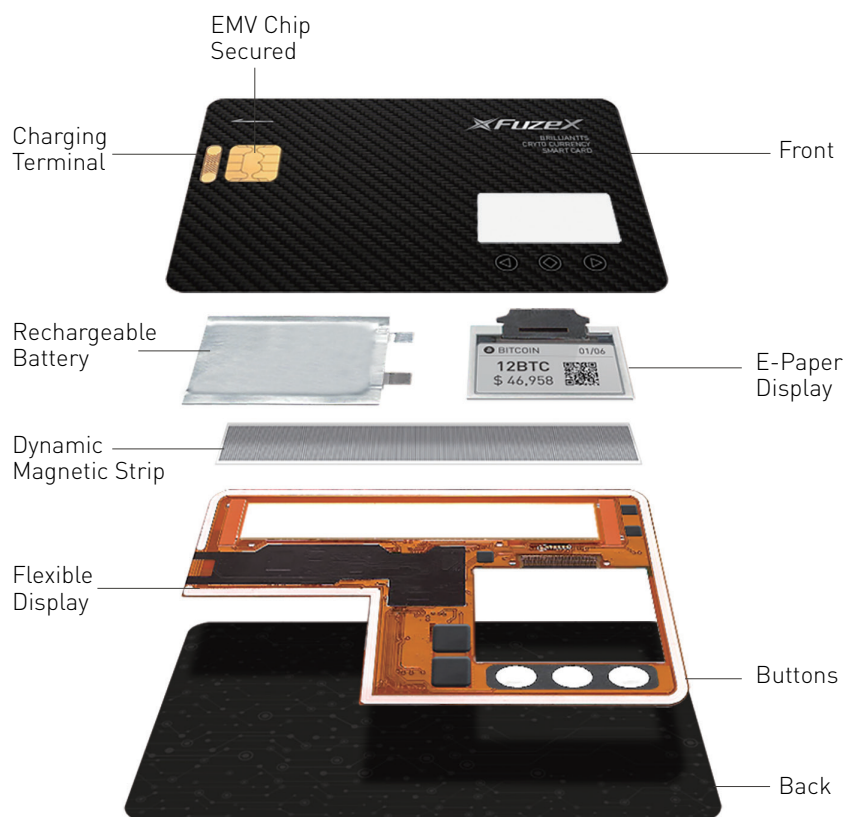
ⓘ **Fiat Currency:** Currency without intrinsic value established by Government regulation or law.

FuzeX

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The FuzeX Ecosystem

The FuzeX Card

In building FuzeX, we draw from our experience and expertise in having already successfully developed, brought to market, sold and shipped 30,000+ Fuze Cards (magnetic stripe and barcode enabled) — a smart e-card that enables users to embed up to 30 credit, debit, or reward cards in one.

The FuzeX Card will include all the features of the Fuze Card with the additional benefit of multi-cryptocurrency integration. The FuzeX Card is identical in size and thickness as a standard credit or debit card and consists of an EMV chip, E-Paper Display (EPD), three input/option buttons and a charger terminal.

EMV Chip Secured

Charging Terminal

Front

Rechargeable Battery

E-Paper Display

Dynamic Magnetic Strip

Flexible Display

Buttons

Back

Features of the FuzeX Card:

- Store, manage and use up to 30 credit, debit, reward and cryptocurrency accounts
- Built-in buttons to power on/off, enter pin codes, make selections, and authorize payments on the FuzeX Card itself
- E-Paper Display (EPD) to view balances across accounts, barcodes for reward card scans, and QR codes for blockchain addresses
- EMV (IC Chip) for multi-cryptocurrency payments
- Near Field Communication (NFC) for credit and debit card payments
- Barcodes for reward payments
- QR Code for cryptocurrency wallet addresses for P2P transfers
- Bluetooth connection between FuzeX Card and FuzeX Wallet to ensure security (Users have the additional option to securely lock the FuzeX Card when the Bluetooth connection is disconnected)
- Remote Wipe Technology that clears data from the FuzeX Card in the event of loss or theft
- Battery life between 45~60 days
- Plus a sleek, slim, rechargeable portable battery bank that holds up to 3 full charges for when you are on the move

Once users have connected their various accounts (credit, debit, rewards or cryptocurrency) to the FuzeX Ecosystem through their FuzeX Wallet app, they will be able to pay with their FuzeX Card without the trouble of having to pull out their smartphones.

Furthermore, the FuzeX Card pairs with the FuzeX Wallet to function as a hard wallet storage of private keys. Fragmented private keys are encrypted and stored between the FuzeX Card and FuzeX Wallet. The private keys are only accessible by unlocking the FuzeX Card (via a pin on the card) and FuzeX Wallet (via an account password).

As devices become increasingly more important in a person's identity, this two-factor authentication process helps combat fraud and brings together fragmented financial platforms in to one simple solution.
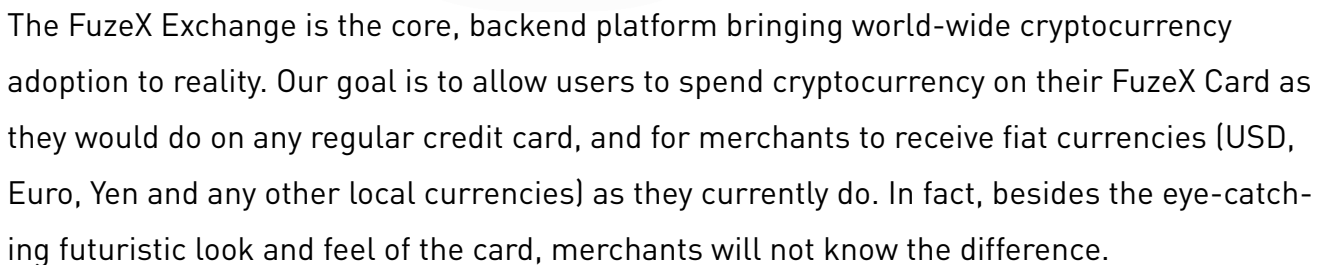
The FuzeX Wallet

As the hub for the FuzeX Card and account management, the FuzeX Wallet App allows users to store, spend, receive, and transfer tokens.

Features of the FuzeX Wallet:

- Enables registration (includes KYC) for FuzeX Ecosystem
- Register and manage various cryptocurrencies
- Send, receive, and exchange cryptocurrencies (cryptocurrency amount and respective fiat currency value is clearly displayed with real-time exchange rates)
- Check account balances, transaction history and exchange rates
- Only registered devices can access the FuzeX Wallet to ensure security
- Interactive map and address of the last location that the FuzeX Card was used (prior to Bluetooth disconnection) to help users locate and retrieve their lost FuzeX Card
- Android and iOS compatibility for smart phones and Windows and OSX compatibility for computers

KYC: Know your Customer. The process FuzeX will use to verify the identity of our users.

FuzeX

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The FuzeX Exchange

The FuzeX Exchange is the core, backend platform bringing world-wide cryptocurrency adoption to reality. Our goal is to allow users to spend cryptocurrency on their FuzeX Card as they would do on any regular credit card, and for merchants to receive fiat currencies (USD, Euro, Yen and any other local currencies) as they currently do. In fact, besides the eye-catching futuristic look and feel of the card, merchants will not know the difference.

We accomplish this by enabling whichever cryptocurrency the FuzeX Card user selects to be released in the respective fiat currency to Issuers, based on the current market exchange rate. We have enabled our FuzeX Card to work in conjunction with EMV POS terminal standards. In doing so, we eliminate unreasonable overheads required in order for each cryptocurrency company to establish contracts with each separate vendors, thus, promoting cryptocurrency payment acceptance.

To bring to market our solution for cryptocurrency usability sooner, FuzeX will first partner with existing exchanges and issuers. The FuzeX Card offers a unique solution that streamlines cryptocurrency adoption and increases the user base for exchanges. Alternatively for the issuers, the FuzeX card provides new access to an expanding, billion dollar industry.

Following this development, FuzeX will then build out its Centralized FuzeX Exchange. Lastly, FuzeX will launch and migrate to its FuzeX Decentralized Exchange.
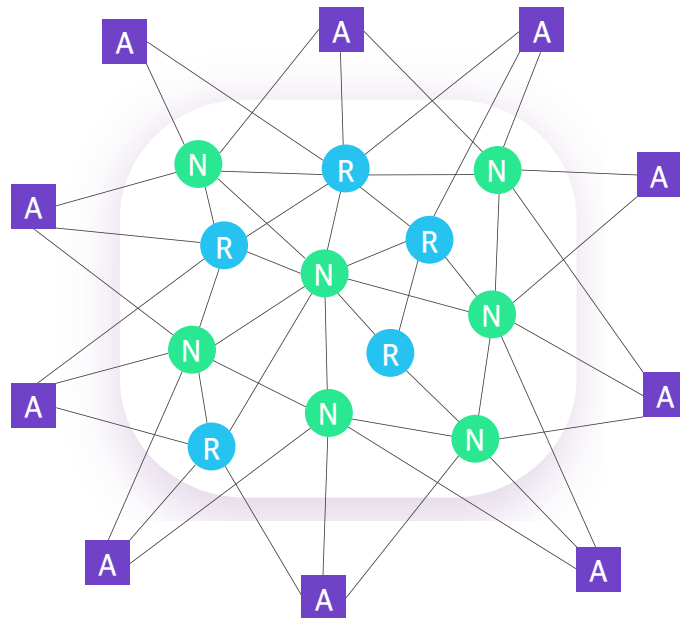
Features of the FuzeX Exchange:

- Hold a multitude of reserve cryptocurrencies and fiat currencies to facilitate real-time exchange (exchange rates derived from aggregated market rates) between cryptocurrencies and fiat currencies for payment transactions

- Function as a hosted wallet that is secured by 3 multi-signature security keys (User Key, Exchange Key, and Isolated Key for recovery)
  *Transactions execute only when 2 of the 3 security keys are deployed.

- Integrate with Issuers/Legacy Payment Networks (e.g. MasterCard, Visa) to confirm sufficient fiat equivalent cryptocurrency balance in the users' accounts during payment authorization and releases fiat payments to Issuers

- Acknowledge selected cryptocurrency for payment when the user holds the relevant button to confirm selection on their FuzeX Card

- If the user loses their User Key, upon verification of identification, they can create a new account and user key. In doing this, they can then transfer the balance from their previous account to a new account using a combination of the Exchange Key and Isolated Key.

To maintain a balance of reserve cryptocurrency and fiat currency funds in the FuzeX Exchange, the FuzeX Exchange will offer any excess cryptocurrencies it receives from Users to the market (via other exchange partnerships or directly to users of its platform) to maintain proper reserve funds for transactions. Revenue received from selling and appreciation of cryptocurrencies in FuzeX Exchange's ownership will be used to hedge currency fluctuation risks in the future.

The FuzeX Blockchain

In the early days of the FuzeX service, we plan to deploy our system on the Ethereum Blockchain Network and conform to ERC20 standards. However, our long-term aim is to build our own FuzeX Blockchain Network to provide a more robust cryptocurrency network.

Features of the FuzeX Blockchain:

- The FuzeX Blockchain consists of the following: Application (FuzeX Wallet), Node, and Recorder (Miner Node)

- Facilitate transaction data which includes channel, sender address, sequence, time, receiver address, contents and function (type & number of tokens), and verification signatures

- Spread large amounts of transactions quickly through the Recorder by spreading the most recently generated transactions

- Verify transactions through Proof of Signature, in which Nodes or Recorders create a verification signature in the transaction and generate a verification block that includes the time at which a minimum number of verifications are completed

- Recognize and records bad transaction through signature verification via the Application, Node, and/or Recorder

- Blacklist the Nodes that generate bad transactions and spread registered blacklist information to the blockchain to ensure ongoing security

FuzeX Setup & Transaction Flow

Setup

1	Download the FuzeX Wallet (mobile app), create an account to join the FuzeX Exchange, and order a FuzeX Card.
2	Transfer the desired amount of cryptocurrencies from an external wallet to the FuzeX Wallet.
3	Receive and activate the FuzeX Card using the FuzeX Wallet app.
4	View user balances on the FuzeX Wallet and FuzeX Card. Setup at this stage is now complete.

User & Network Transaction Flow
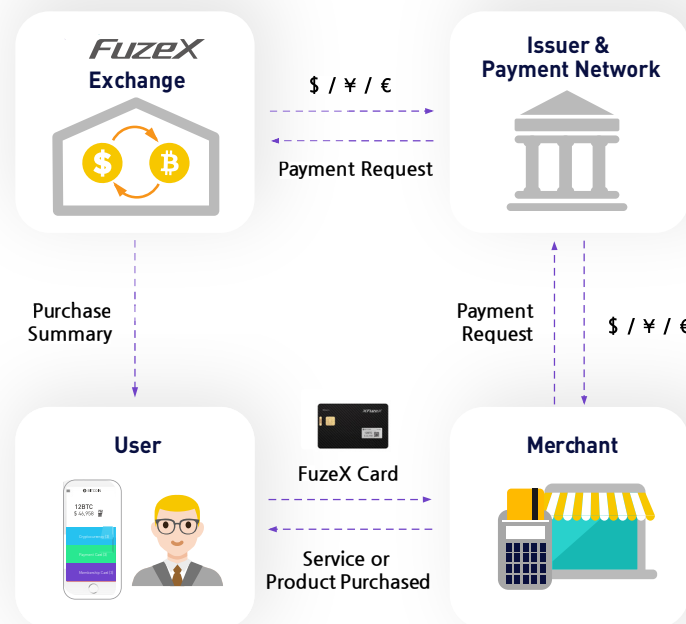
1. The User makes a purchase by selecting their choice of cryptocurrency from their FuzeX Card using the built-in buttons on their card.
2. The User views the selected cryptocurrency balance and the respective fiat currency value, given in real time exchange rates on their FuzeX Card.

- When a cryptocurrency is selected and confirmed by the user (by holding down the designated button), the selection information is sent directly to the FuzeX Exchange.

3. The User hands over their FuzeX Card to the Merchant to insert or swipe.

- The Merchant's POS terminal sends a request to the relevant Switch Company or Issuer to verify the User and authorize the payment via EMV payment networks (VISA, MasterCard, etc.).
- The Issuer (integrated with the FuzeX Exchange) checks the User account for sufficient fiat equivalent cryptocurrency amount via the FuzeX Exchange.
- If sufficient, the Issuer authorizes the payment which simultaneously locks the spent amount of cryptocurrency from the User's account. (If there is an insufficient amount, the Issuer denies the payment.)

4. The Merchant then receives authorization for the payment and the purchase is complete.

5. The User receives a courtesy purchase summary on FuzeX Wallet app.

- The User must approve transactions on the FuzeX Card when the cumulative spending balance surpasses $300 USD (limit adjustable) to finalize the transfer of cryptocurrency payment from their User account to the FuzeX Exchange.

The FuzeX Exchange Transaction Flow
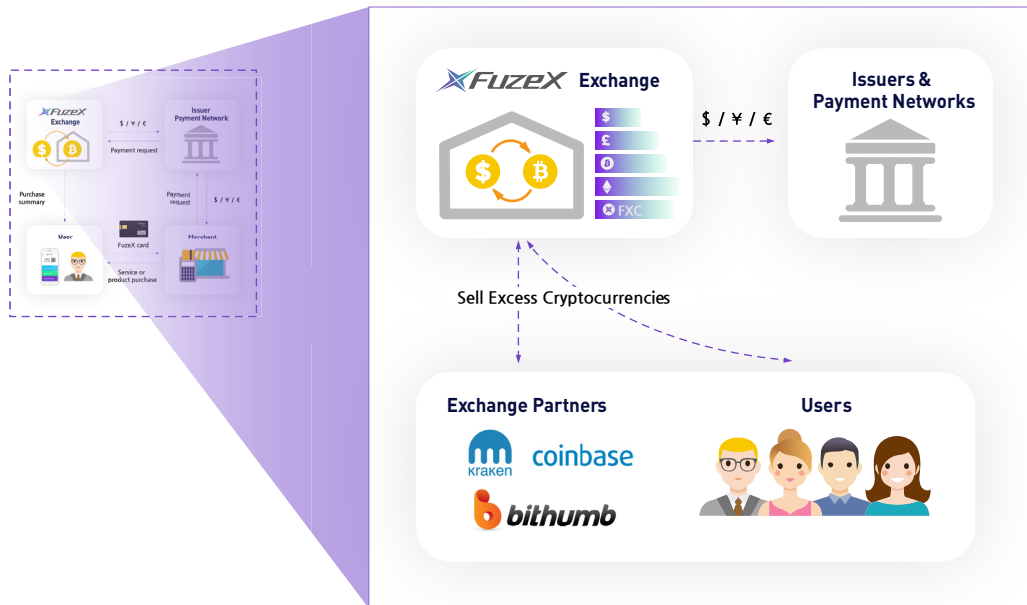
 When the User approves transactions on their FuzeX Card, the cryptocurrency payment is transferred to the FuzeX Exchange, which holds a multitude of reserve cryptocurrencies and fiat currencies to facilitate payment transactions. The FuzeX Exchange has two primary functions:

1. To settle payments with Issuers by transferring to the Issuers the amount spent by the Users in the stated fiat currency from its fiat currency reserves.

2. To sell excess cryptocurrencies accumulated to other Exchange Partners or directly to other Users of the FuzeX Ecosystem.

FuzeX Token Holder & Card User Rewards
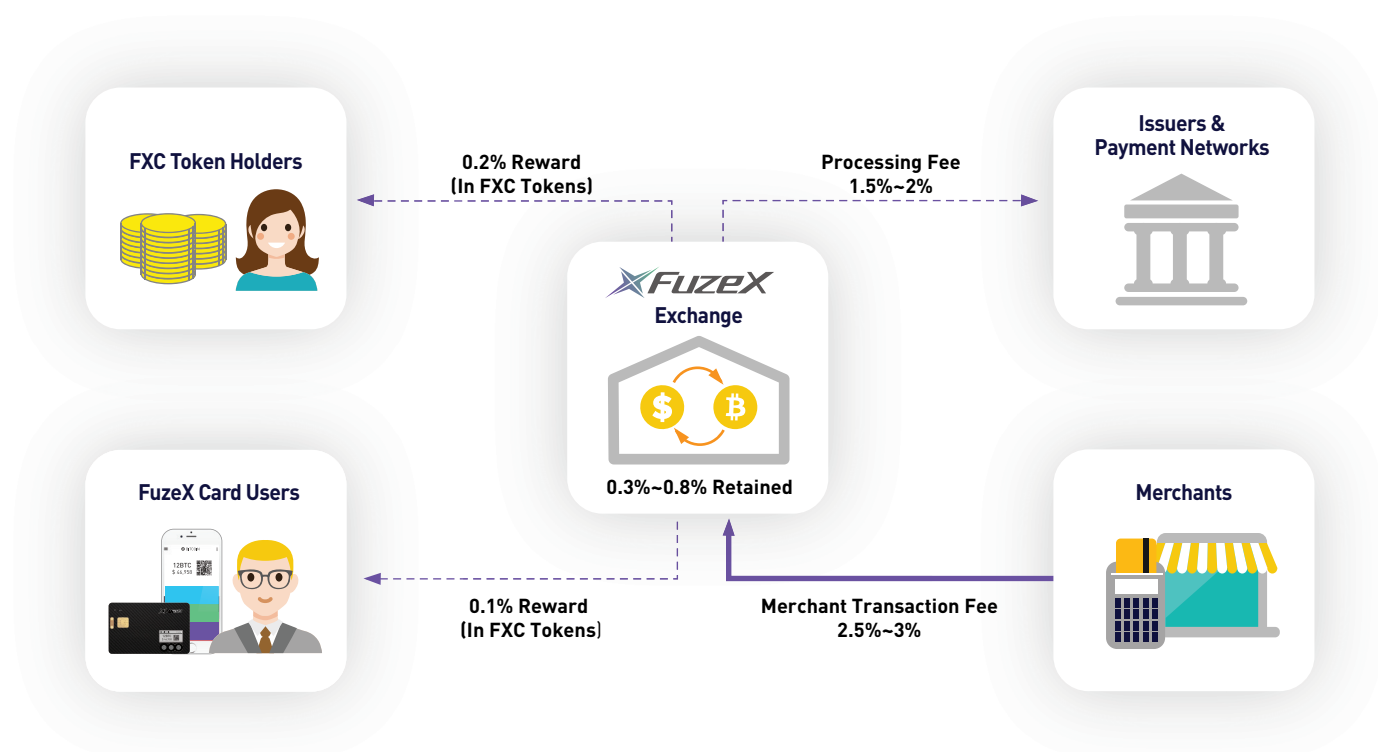
Per payment network standards, the merchant usually pays 2.5% to 3% for every card transaction in the form of a merchant transaction fee. FuzeX will reward both Token Holders of FuzeX Tokens and Users of the FuzeX Cards from a portion of merchant transaction fees collected.

Of the 2.5%-3% merchant transaction fee received, the funds collected will be distributed as follows:

> • 0.1% will be rewarded in FuzeX Tokens to FuzeX Card Users
>
> • 0.2% will be rewarded in FuzeX Tokens to Token Holders
>
> • 1.5%-2% will be paid to Issuers and Payment Networks
>
> • 0.3%-0.8% will be retained by the FuzeX Exchange

*Token holders and FuzeX Card user rewards are subject to change during Phase 1.

Team & Accomplishments

Our Team:

FuzeX's 40+ employee team of skilled engineers, blockchain specialists, programmers, experienced marketing professionals and business professionals are dedicated to making future technologies a reality today.

Our Accomplishments:

- Successfully developed, brought to market, sold and shipped 30,000+ Fuze Cards (magnetic stripe and barcode enabled)—the smart e-card that enables users to embed up to 30 credit, debit, or rewards cards in one.
- Reached the top 0.01% of global crowdfunding through the Indiegogo platform, raising $2.2 million USD.
- Received "Industrial Convergence Leader" Award from the Ministry of Trade, Republic of Korea.
- Distinguished recognition from Korea Technology Finance Corporation for developing "Smart Multi eCard" technology.

Product Comparison

	FuzeX	TenX	Centra	TokenCard
Card	**Smart eCard** **(support cryptocurrency, credit, debit, reward cards)**	Plastic card (support only cryptocurrency)	Plastic card (support only cryptocurrency)	None
Support	**Bitcoin, Ethereum, FXC(ERC 20), (expanding support)**	Bitcoin, Ethereum, Dash	Bitcoin, Ethereum, Dash, Litecoin, Zcash, Ripple, Monero	Ethereum
Fund Security	**Hosted Wallet and Smart Contract**	Hosted Wallet and Smart Contract	Hosted Wallet and Smart Contract	Smart Contract
Card Type	**Debit**	Pre-paid	Pre-Paid	Pre-Paid
Card Holder Incentives	**0.1% on every Purchase**	0.1% on every Purchase	2% Black Card 1.25% Gold Card 0.8% Blue Card	None
Card Holder Transaction Fees	**Free**	Free	Free	Free
Entry Requirements to Market	**Very High**	Very Low	Very Low	Very Low

FuzeX

Token Sale Event

In order to bring our full vision and solution to market, FuzeX is launching a Token Sale Event to fund further development of the FuzeX Ecosystem. The FuzeX Tokens (FXC) is an ERC20 token and the tokens will be distributed up to 4 weeks after the token sale. The FuzeX Token Sale is available through our website: http://fuzex.co.

Token Private Sale & Pre-Sale

The Token Private Sale, which represents 15% of total FuzeX Tokens (15,000,000 FXC), is intended to attract potential partners and large investors to our FuzeX Ecosystem. The Private Sale starts on November 13th, 2017 at 0:00 GMT and will run for 3 weeks until midnight GMT on December 7th, 2017. Additionally, Private Sale participants have the option to be the first in the queue for white label solutions.

Pre-Sale, which represents 15% of the total FuzeX Tokens (15,000,000 FXC), will start on December 11th, 2017 at 0:00 GMT, and will run for 3 weeks until midnight GMT on December 30th, 2017.

Event	Token Bonus
Private Sale : 15,000,000 FXC 11/13 0:00 GMT – 12/07 midnight GMT	**25%+ BONUS** 1 ETH = 270 FXC / 1 BTC = 4860 FXC minimum purchase: 1000 ETH / 50 BTC
Token Pre-Sale : 15,000,000 FXC 12/11 0:00 GMT – 12/30 midnight GMT * Any unsold FXC during Private & Pre-Sale will be burned	**25% BONUS** 1 ETH = 250 FXC / 1 BTC = 4500 FXC minimum purchase: 30 ETH / 2 BTC

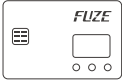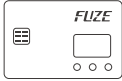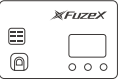The FuzeX Token Sale may be funded with Ethereum & Bitcoin.

Token Sale

The Token Sale, which represents 30% of the total FuzeX Tokens (30,000,000 FXC) is planned for 2018, the specific date is yet to be determined.

Event	Token Bonus
TBD	1 ETH = 200 FXC / 1 BTC = 3600 FXC minimum purchase: 0.1 ETH / 0.01BTC

Card Rewards

During the Token Private Sale, Token Pre-Sale, and Token Sale, contributors who donate the following minimum amount will receive a free Fuze (ready for immediate distribution), FuzeX, and/or FuzeX-Bio (with biometric authentication) cards.

50 ETH / 2.5 BTC	100 ETH / 5 BTC	500 ETH / 25 BTC
1 FuzeX Card	1 Fuze Card + 1 FuzeX Card	1 Fuze Card + FuzeX Card + 1 FuzeX-Bio

Token Allocation

Token Allocation		Amount of FXC Tokens	
Token Private & Pre-Sale	30% will be distributed to the public during the Token Private and Pre- Sale.	30,000,000 FXC	30%
Token Sale	30% will be distributed to the public during the Token Sale.	30,000,000 FXC	30%
Advisors & Partnerships	To ensure proper growth, FuzeX will invite seasoned professionals with depth and breadth in the appropriate industries to serve as Advisors and establish partnerships.	5,000,000 FXC	5%
Bounty & Donations	5% of the total tokens will be allocated for bounty and blockchain industry donation.	5,000,000 FXC	5%
Technology Acquisition	Acquire technology for the FuzeX Ecosystem.	15,000,000 FXC	15%
FuzeX Founders and Employees	To further align FuzeX employees with the success of the FuzeX Ecosystem, Founders and Employees will be partially compensated with FuzeX Tokens.	15,000,000 FXC	15%
Total Tokens		100,000,000 FXC	100%

FuzeX

Fund Management

The funds received in the FuzeX Token Sale will be held in a secure multi-signature wallet and will be allocated for the following developments.

Token Allocation		Funded By		Amount of FXC Tokens	
		Pre-Sale	Token Sale		
FuzeX Card	Research and Development	●		15,000 ETH	5%
	Product	●		45,000 ETH	15%
	Issuing Partnership & Certification	●		30,000 ETH	10%
FuzeX Wallet	App Development (Web, Android, iOS)	●		15,000 ETH	5%
FuzeX Payment Platform	Trusted Security Model	●		15,000 ETH	5%
FuzeX Network	FuzeX Blockchain Network Development		●	30,000 ETH	10%
	FuzeX Blockchain Main Network		●	45,000 ETH	15%
	FuzeX Exchange		●	15,000 ETH	5%
	FuzeX Exchange Liquidity		●	30,000 ETH	10%
Marketing		●	●	30,000 ETH	10%
Audit			●	15,000 ETH	5%
Licensing		●		15,000 ETH	5%
Total Tokens				300,000 ETH	100%

Roadmap

2018, Q1

- Establish partnerships with Issuers and Exchanges (Multiple Regions)
- Complete development of FuzeX Card (Prototype)

2018, Q2

- Integrate the FuzeX Wallet with partner exchanges
- Receive certification from payment networks (e.g. Visa or MasterCard)
- FuzeX Card (Beta), FuzeX Wallet (Beta) with Bitcoin & Ethereum integration
- FuzeX Card and FuzeX Wallet Beta Test

2018, Q3

- Commercial launch of FuzeX Card and Wallet
- Integrate additional cryptocurrencies
- Launch partnerships for white label solutions

2018, Q4

- Integrate additional cryptocurrencies

2019, Q1

- Acquire additional financial licenses
- Launch FuzeX Bio (with biometric fingerprint verification)
- Launch FuzeX Wallet 2.0

2019, Q2

- Acquire additional financial licenses

2019, Q3 & Q4

- FuzeX Centralized Exchange (Alpha)
- FuzeX Blockchain Network (Testnet)

2020, Q1 & Q2

- Develop and launch FuzeX Decentralized Exchange

FuzeX

Contacts & Community

	WEBSITE	https://fuzex.co
	E-MAIL	info@fuzex.co
	SLACK	https://fuze-slack-inviter.herokuapp.com
	MEDIUM	https://medium.com/fuzex
	FACEBOOK	http://www.facebook.com/FuzeX.co
	TELEGRAM	https://t.me/joinchat/Asc6gw9fNL8AjX5kSLJ-bQ