Ethereum Card
Whitepaper V2
1. Background & Introduction

Open Blockchains are the technology behind Bitcoin cryptocurrencies. It is based on cryptography, an arcane root of mathematics based on cipher the information. During the last years seems to be the driving technology behind the next Internet generation, constructing new platforms, networks & payment systems improving the traditional centralized and censorable world. This new generation of wallets, apps, dApps & other developments is the base for the new decentralized web or the Web3.

At this time, Blockchain is the better and novel solution proposed to the age-old human problem of trust between unknown pairs. with the globalization, the world accelerates all kind of communications and trades. This relatively new tech It provides an architecture for decentralizing the trust that allows us to trust the outputs of the distributed system, without the need of trusting any actor within it.

This tech works thanks to this protocol, and the protocol operates on top of the Internet, on a peer to peer (P2P) Network of computers that all run the protocol by consensus and hold an identical copy of the global distributed ledger of transactions, enabling P2P value transactions without a middleman though this clients/machines consensus. This distributed information files, shared and public, are part of the distributed ledger of transactions that records all the changes; since the first record into the first block (Genesis block), until today. Including the future records stamped on the chain.
After this introduction, we know that a distributed open Blockchain is a shared, open & public ledger of transactions, that everyone can host or inspect; but, which no single user controls. It is a distributed database that maintains a continuously growing list of transaction data records, cryptographically secured against tampering and other malicious corrupted acts.

The ledger is built using a linked list, or chain of blocks, where each block contains a certain number of transactions that were validated by the network in a given timespan. The crypto-economic rulesets of the blockchain protocol (consensus layer) regulate the behavioral rules and incentive mechanism of all stakeholders network. It is a rule set based on all the participant nodes, miners and all kind of clients to operate on the network legitimately, to avoid any kind of manipulation or fraud.

This described ledger runs on a distributed peer-to-peer (P2P) network of computers & the network is distributed by software. The software, based under economic consensus & incentive mechanisms (game theory) combined with cryptography creates a decentralized & trusted ecosystem. The computers participating on the network under this consensus rules are called nodes. This allows secure P2P validation of transactions, avoiding the need for traditional trusted centralized third parties.
This mechanism of consensus with cryptography for trust cash came to fame in October 2008, as a proposal for creating Bitcoin in the Satoshi’s whitepaper. Aiming to create today’s global p2p network systems without banks or centralized authority.

All network transactions under the consensus software get stored in the blockchain. In consequence, each node of the network has the latest version of the ledger and everybody can inspect it. In order to change the contents of the blockchain, users need to reach a mutual agreement (consensus).

Each node of the network keeps a copy of the blockchain (the distributed ledger) recording all transaction history and able to test the content from other nodes in order to check if is legit.

The Ethereum Card aims to reach big relevance into global shopping & trading currency including Escrow services for all Stores, Merchants, Brokers. The big change coming with reverse transactions enabled on its own blockchain (Mainnet) will offer traditional services to a huge population not familiarized with blockchain irreversible transactions.
2. About Ethereum Card
Easy shopping & trading including escrow services and reverse transaction. Ethereum Card - Is the #1 peer-to-peer cryptocurrency card with a large characteristic menu related. Is for global shopping & trading currencies, includes escrow services for all stores, merchants, and brokers. The card helps to increase the day-to-day transactions as well as low transaction fee with the use of Multidimensional smart contracts and enables the reverse transactions on the blockchain technology under the ETHCD mainnet.
3. Shopping, Trading & Brokers

Ethereum Card API will be integrated for all stores, brokers, merchants and any other company to enable them to interact with ETHCD on its own blockchain and use as a payment method on their platform. This will be easy as click payment button from the user end, unlike traditional payment gateways.

4. Reverse Transaction Enabled

Ethereum Card enabled reverse transaction feature for Multidimensional contract on our Mainnet on the blockchain technology. This feature is a new transaction that replicates the original transaction, but with debit amounts shown as credit amounts and vice versa. After posting a reversal transaction on the wallet, you have two transactions (the original and the reversal), but the account balances appear as if the original transaction was never posted to your balance but reflect on your account history.

A reversal transaction is automatically posted to the same account for the same amount as the original transaction. Any of the parties can change the amount or account of a reversal transaction. However, the two parties will engage in an agreement of reversal which enables us to send confirmation to the second party wallet and automatically authorized on the blockchain.

4.1 How does Reverse Transaction Work?

We have built this feature into our own blockchain (Mainnet) to be launch fully for real-time data. Reverse (or revocation) transactions are automatically posted to the same account for the same amount. This makes it possible to reverse the event with a reverse cloned transaction.

This feature also prevents fraudulent attempts to generate random reverse transactions by malicious actors in the network. Thus, if one of
the two parties requests that the reverse transaction be processed, on the other side, the other party must confirm it so that it can be carried out without central authorities; it is done on the network in a full p2p transaction where ETHCD platform or team did not store the fund.
5. The Ethereum Card Escrow Service & Community

Ethereum Card escrow services is a financial arrangement on our community, where we hold and regulates the payment of the funds required for two parties involved in a given transaction. It helps make transactions more secure by keeping the payment in our secure escrow account which is only released when all of the terms of an agreement in a shopping mart or brokers or on stores are met as overseen by the Ethereum Card.

5.1 How does Ethereum Card Handle Escrow Services?

Ethereum Card team have built a platform to handle our escrow services for individual and companies in a single click for both parties.
6. Benefits of Ethereum Card ecosystem:
The Ethereum Card Team combines a variety of features on this project in order to bring you the best and to make cryptocurrency and blockchain more legit and to increase the day-to-day transactions across the countries that bring us better futures.

6.1 The Ethereum Card give chance to shop globally & trade around the world, with an escrow service.

6.2 The Ethereum Card makes you the sole owner of a secure wallet on the blockchain.

6.3 We provide users' escrow services for your business between the two parties.

6.4 The Ethereum Card Mainnet built with reverse transaction feature that enables the two wallets to send reversal confirmation on the blockchain for the authorization.
7. Fastness, Security & Reversal Features

In the universe of cryptocurrencies, we are accustomed to basic characteristic, irreversible payments. For attract a high percentage of adopters to use cryptocurrencies and tokens are an enormous entry barrier. Users who are not accustomed to dealing with this type of transactions normally will avoid using blockchain services for payments. The transactions presented by Ethereum Card open the doors to a new way of using the blockchain services.

A large amount of cryptocurrencies exchanges suffered security failures; the displeasure generated by the theft of thousands of Bitcoins was massive affecting multiple users of the platforms; and other ecosystems that maintain interconnection with the exchanges in question. Now, there were more than 20,000 bitcoins in the hands of criminals.

As a consequence of the incident, the irreversible transfers or transactions in the blockchain comes back to the fore. Inverse transactions offer an alternative path that could combat these unfortunate events in favor of offering alternatives to the already usual irreversible blockchain transactions.

In addition, it facilitates the integration of new adopters that come from systems such as Paypal or others; in which transactions can be reverted in a wide range of cases.

The native ETHCD token platform will incorporate the reverse transaction function that allows the two wallets to send a reversal confirmation in the blockchain for authorization. This facilitates common functions from traditional ecosystems in the new blockchain universe.
7.1 Reverse transaction feature

The ETHCD Mainnet enables users to initiate and reverse the transaction within a specific given time.

7.2 Ultra-Fast Transactions

The ETHCD is swift in the initiation of multiple transactions within a second on the blockchain technology.

7.3 Compatibility with cryptocurrency industry security standards

EthereumCard will offer wallets 100% compatible with the base standard of cryptographic wallets.

This includes self-management of private keys by the user. One of the barriers to overcome in order to improve the adoption of blockchain technology is to facilitate the processes. Educating and training the profile of the user not familiar with security self-management is part of this process.

7.4 Highly Scalable - Limitless Applications

The ETHCD Mainnet is designed as an efficient distributed system, adding and removing nodes easily.

7.5 Ease of use, without borders and with guarantee deposits

These first three features are the flag of EthereumCard. It will provide ease to buy worldwide and exchange worldwide, without borders. In addition, it offers security deposit services for the correct health of the ecosystem.

7.6 Reliable, low cost & low transaction fees

The ETHCD token works with low transaction fee/charges for all transactions done at ETHC Mainnet. The token allows users to enjoy all the platform features as a utility token.
8. Ethereum Card Token (ETHD)

Ethereum Card token on the blockchain is the digital, distributed, and decentralized ledger of virtual currency that's responsible for logging all transactions done from shopping mart, trading, brokers transactions, and escrow services without the need for a financial intermediary, such as a bank. In other words, it's a new means of transmitting funds across the countries.
9. Token Sale
The Ethereum Card Token (ETHCD) is instant distribution and it is automatically transferred to the buyer wallet instantly; upon the confirmation of investor contribution on the blockchain network. However, if the ICO sale of ETHCD is not suitable for all investors since we have received many requests to go for IEO because it’s in vogue now for all traders and investors around the world. If happened that hard cap did not reach, then announcement of IEO platform will be broadcast in all our social channels and platform for all investors.

<table>
<thead>
<tr>
<th>Token Symbol</th>
<th>ETHCD</th>
</tr>
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<tbody>
<tr>
<td>Pre Sale Start</td>
<td>8 June 2019</td>
</tr>
<tr>
<td>Token Sale End</td>
<td>5 August 2019</td>
</tr>
<tr>
<td>Tokens for sale</td>
<td>13,000,000</td>
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<tr>
<td>Token Price</td>
<td>$0.09 USD</td>
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<tr>
<td>Soft cap</td>
<td>2.3M ETHCD</td>
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<tr>
<td>Hard cap</td>
<td>13M ETHCD</td>
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<tr>
<td>Max circulating supply</td>
<td>15M ETHCD</td>
</tr>
</tbody>
</table>
9.1 Token allocation
The Ethereum Card Token (ETHCD) is distributed following this setting. Distribution is automatically transferred.

9.2 Token sale stages
The Ethereum Card Token (ETHCD) token sale stage is as follows:
10. ETHCD Roadmap

The platform aims to grow and be developed by steps, the initial research and backbone of the code to start to build are done. The Ethereum Card roadmap is explained below and will respect its following times for developing all the features involved in the ETHCD ecosystem including the ETHCD token.
10.01 Concept (Completed Q3 2018)

- Concept Generation of the project
- Team Assemble to start the research period and tasks.

10.02 Research (Completed Q3 2018)

- Proving the concept can work
- Strategic Plan & White paper completion

10.03 Design & Demonstration (Completed Q4 2018)

- ETHCD Platform first design
- Technical demonstration

10.04 Merchants API (Completed Q1 2019)

- Merchants API’s design
- Merchants API’s structure
10.05 Escrow Services (Completed Q1 2019)
- Escrow services design and structure
- Functionality on localhost

10.06 Reverse transactions algorithm (Completed Q1 2019)
- Reverse transaction proofing
- Reverse transaction algorithm structure

10.07 ETHCD Platform & paper published (Completed Q2 2019)
- Ethereum Card Whitepaper & Platform published
- Ethereum Card Whitepaper V2

10.08 ETHCD Token Sales (Q2 2019)
- Airdrop / Bounty open
- Private sale, Pre-Sale & ICO Sale start

10.09 ETHCD Mainnet Test (Q2 2019)
- Mainnet test demo published
- In-house testing of functionality

10.10 Exchange available & new Whitepaper release (Q3 2019)
- ETHCD start trading on different exchanges
- Release of Whitepaper V2 on August 20th.

10.11 Escrow Launch (Q3 2019)
- Escrow services community chat launch.
- Escrow services algorithm structure and launch.

10.12 Mainnet & Reverse Transaction launch (Q4 2019)
Launch of Mainnet

Connect to the blockchain with real-time data/scanning

Reverse transaction portal launch

10.13 ETHCD API integration (Q1 2020)

API integration for stores and merchants launch

Integration of third party controllers & Open of partnership campaign

10.14 ETHCD Mobile App (Q2 2020)

Mobile app for android and ios launch

New roadmap updates
11. Core Team
The Ethereum Card team has a great passion for the project. The components of the squad have been working together for the last 6 years. Check out our profiles.

Liam Anthony
Chief Executive Officer.

Rayan Elliot
Chief Technology Officer

Dylan Hubert
Chief Marketing Officer.

Vincent Laurent
Chief Financial Officer.
12. Ethereum Card contact
We deploy multiple ways to stay tuned and follow the project. To contact us, read documentation, and visit official links use the information placed below.

Do you have any question about the project? Send us a mail via our official email below:

support@ethereumcard.org

Explore the historical about transactions and the ETHCD Token code, you can check the ETHCD token smart contract here

https://etherscan.io/token/0x259e67e2223bd0cadc31e5bb4974602ccc8644df

Official Website - ethereumcard.org
Twitter - twitter.com/ethereum_card
Medium - medium.com/@ethereum_card
Telegram - t.me/ethereum_card

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