MateableCoin

White Paper

Table of Contents

About MateableCoin

MateableCoin (MTBC) is an Altcoin cryptocurrency founded and debuted on June 07th, 2022 in the USA. Our mission for MateableCoin is to focus on the people, environmental sustainability, and freedom. Its mission is to become a pure trade-based cryptocurrency and offer investment opportunities to the public. The MateableCoin Wallet is a software technology using wallets to store, send as well as receive virtual currency,in turn, these Mateable (MTBC) coins can be used to make everyday purchases from local markets and utility services that accept the altcoins. Users can make transactions and view their balances on the free to access blockchain ledger.

The MateableCoin Core software allows anyone to operate a node on MTBC's blockchain networks and uses multiple mining algorithms including Scrypt, Yescrypt, Whirlpool, Ghostrider, and Balloon hashing method for Proof of Work. It is adapted from Bitcoin Core 24 and also has a proof-of-stake based on Particl's PoSv3 system, which provides a secure and decentralized method for validating transactions on the MateableCoin network.

HOW DOES MATEABLECOIN WORK?

MateableCoin's technology uses public addresses rather than account numbers on its blockchain. The wallet allows you to control your private keys and host a full copy of the ledger . When a user sends money to a recipient, the online transaction, known as a block, broadcasts publicly to all parties on the blockchain network.

A block provides a traceable and transparent record of all digital transactions. After the transaction is complete, the money moves from the sender to the recipient. Each transaction goes through a validating process, called mining, by computers in the Mateable Coin's blockchain network. It ensures the system is secure to prevent malicious attacks.

MateableCoin utilizes a unique multi-algorithm proof-of-work (PoW) system, which combines five distinct algorithms: Scrypt, Yescrypt, Whirlpool, Ghostrider, and Balloon.

This multi-algorithm approach offers several advantages including increased security, resistance to specialized mining hardware, and enhanced decentralization.

Let's delve into each of the algorithms in detail:

1. Scrypt Algorithm: The Scrypt algorithm was originally designed to make mining more accessible to a broader range of hardware, discouraging the use of specialized mining equipment (ASICs). It requires a significant amount of memory, making it computationally intensive. MateableCoin leverages the Scrypt algorithm to ensure a fair and inclusive mining process.

2. Yescrypt Algorithm: Yescrypt is a memory-intensive algorithm that aims to provide resistance against both ASICs and GPUs, promoting a more decentralized mining ecosystem. By employing the yescrypt algorithm, MateableCoin ensures that mining remains accessible to a wider range of participants, fostering network security and distribution.

3. Whirlpool Algorithm: The Whirlpool algorithm is a cryptographic hash function that enhances the security of MateableCoin's proof-of-work mechanism. By incorporating the whirlpool algorithm, MateableCoin strengthens the integrity and authenticity of mining operations, reducing the risk of malicious attacks and ensuring the overall stability of the network.

4. Ghostrider Algorithm: The Ghostrider algorithm is a memory-bound proof-of-work algorithm that relies heavily on the efficient use of memory. It helps prevent the exploitation of specialized mining hardware, such as ASICs, by ensuring that mining performance is primarily determined by available memory. This approach promotes a fairer distribution of mining rewards and contributes to the network's decentralization.

5. Balloon Algorithm: The Balloon algorithm is another memory-bound algorithm that emphasizes the use of memory to perform computational operations. It adds an additional layer of complexity to the proof-of-work process, making it harder for ASICs and GPUs to gain a significant advantage. MateableCoin leverages the balloon algorithm to maintain a level playing field for miners which helps to bolster overall network security.

MateableCoin's proof-of-stake (PoS) system is built upon Particl's PoSv3 system, incorporating its proven principles and features. Particl's PoSv3 has been recognized for its efficiency, security, and environmental friendliness. By utilizing this system, MateableCoin aims to provide a secure and sustainable alternative to traditional proof-of-work mining. Here are the key aspects of MateableCoin's PoS system based on Particl's PoSv3:

1. Consensus Protocol: MateableCoin's PoSv3 system utilizes a consensus protocol that enables token holders to participate in block validation and consensus. Instead of relying on computational power (as in proof-of-work), PoS assigns the right to validate transactions and create new blocks based on the stake held by participants in the network. This approach encourages participants to acquire and hold MateableCoin tokens, promoting network security and stability.

2. Stake Weight: In MateableCoin's PoSv3, the stake weight of a participant is determined by the number of coins they hold and have locked to the network which are committed to the staking process. The more coins a participant holds, the higher their stake weight and the greater their chances of being selected to validate transactions and mint new blocks. This ensures that participants with a larger stake have a greater proportional influence on the consensus process.

3. Staking Rewards: Participants who actively engage in the PoS process by staking their MateableCoin tokens are eligible to receive staking rewards. These rewards serve as an incentive for participants to hold and support the network. The specific reward distribution mechanism may vary, but typically, the rewards are proportional to the stake weight of the participants. Staking rewards help incentivize network participation and contribute to the overall security and stability of the MateableCoin ecosystem.

   With each block halving alfenning epoch, the designated reward amount changes also, but the tokens can still be compounded by staking to effectively mine blocks independently of other specialized mining hardware on the MTBC network.

4. Security and Efficiency: Particl's PoSv3 system has demonstrated enhanced security features compared to traditional proof-of-work systems. By relying on stake weight rather than computational power, the PoS system reduces the risk of hacks such as 51% attacks. Additionally, PoS is much more energy-efficient and environmentally friendly since it does not require the substantial computational and electrical resources needed for mining in proof-of-work systems as to compete in these systems, ever more hardware is required to gain rewards, with proof-of-stake; coin weight is the defining factor

5. Network Governance: Particl's PoSv3 system also incorporates governance features that allow token holders to participate in the decision-making process regarding network upgrades, consensus protocol changes, and other important aspects of the MateableCoin ecosystem. This democratic approach to governance empowers the community to have a say in the evolution and development of the cryptocurrency.

By leveraging Particl's PoSv3 system, MateableCoin aims to provide a secure, energy-efficient, and community-driven cryptocurrency ecosystem. The PoS system encourages active participation, rewards stakeholders, and ensures a high level of network security and efficiency.

By combining these five algorithms, MateableCoin achieves a robust and diverse proof-of-work system. The multi-algorithm approach enhances security, promotes decentralization, and ensures fair mining opportunities for participants with varying hardware capabilities. It reduces the risk of centralization and fosters a more inclusive and resilient cryptocurrency ecosystem.

MTBC Coin SPECIFICATIONS

Symbol: MTBC
Type: Layer 1 blockchain, PoW/PoS coin
Algorithm: Scrypt, Yescrypt, Whirlpool, Ghostrider and Balloon.
Max Supply: 1 billion
Pre-mined: 100 million
Block reward: 6.6875 MTBC
Halving block: Change to 1 million

Block time: 1 min
Difficulty retarget time: 1 min
Block Maturity: 60 blocks
P2P: 6969
RPC: 6966

Staking:

Just make sure you have coins in your wallet and have it enabled.
the more coins you have in the wallet the better you are.

Coin Supply

Total Supply of 1 Billion coins

 – 900 Million Coins, 10% Team – 100
Million Coins.

The users 900 million coins will be generated and added to the
circulating supply from our mining and staking community. Mateable team has
pre-mined 100 million. Based on our estimates the total coin supply should be
mined out in 16 years +/-.

Categories:
Owners: Total is 30 million -   15 million each
*Marketing: 10 Million
*Developing: 10 Million
Charity : 10 Million
*Investors: 20 Million
Locked Coins: 20 Million

Investors, Developing, and Marketing will be used for getting new Exchanges if need be

**LOCKED for 5 Years – 20 Million Coins (Unlocking on 06/7/26)
20 million coins locked for 5 years. Once unlocked, they will be allocated
towards funding the continued growth of MateableCoin and to continue reaching the
goals.

Summary

- MTBC is an altcoin cryptocurrency that was founded in June 2022.
- The MTBC network uses a blockchain to record transactions.
- Transactions on the MTBC network are verified by miners.
- Miners are rewarded with MTBC tokens for verifying transactions.
- MTBC tokens can be used to make payments, invest in the MTBC network, or speculate on the future price of MTBC.
- It is a pure trade-based cryptocurrency that offers investment opportunities to the public.
- MTBC uses a multi-algorithm proof-of-work system that combines five distinct algorithms: Scrypt, Yescrypt, Whirlpool, Ghostrider, and Balloon.
- This multi-algorithm approach offers several advantages including increased security, resistance to specialized mining hardware, and enhanced decentralization.
    - MTBC also has a proof-of-stake (PoS) system that is built upon Particl's PoSv3 system, incorporating its proven principles and features.The proof-of stake has been recognized for its efficiency, security, and environmental friendliness. By utilizing this system, MTBC aims to provide a secure and sustainable alternative to traditional proof-of-work mining.
- MTBC's core mission is to become a pure trade-based cryptocurrency that is made accessible to everyone whatever their wealth, democratic or ideological position.

Here are some specific examples of how Mateable MTBC could be used, there are many more applications for its widespread usage:

- A small business owner could use MTBC to accept payments from customers without the fees associated with traditional payment processors. This could save the business owner money and make it more competitive.
- An investor could buy MTBC tokens in the hopes of profiting from its growth. If MTBC becomes more popular, the price of its tokens could increase, which would make the investor a profit.

- A speculator could buy and sell MTBC tokens in the hopes of making a profit from its price fluctuations. If MTBC's price fluctuates significantly, the speculator could buy low and sell high, making a profit in the process.

As with any financial product or service including actual monetary transactions, It is important to note that MTBC is a new cryptocurrency and its future is uncertain. However, it has the potential to be useful for a variety of purposes. Investors and speculators should do their own research before investing in MTBC.

Road Map

June 2022   MateableCoin was started.

May 2023   MateableCoin updated to use Bitcoin Core 24
        Added multi-algorithm scrypt, yescrypt, whirlpool, ghostrider, and balloon
        With Particl's PoSv3 system.

June 2023   Added more Exchanges.

Aug 2023   Have more Exchanges.

Dec 2023   Have Web Wallet Fully working and have app fully working.

March 2024 MateableCoin will be fully working on Mateable.com

June 2024 MateableCoin Find More Partnerships/Investors

Aug 2024 Work on new ideas that can be used with MatealbeCoin / Debit Card

Team Members

Gregory Joy - * Co-Founder, Lead Designer *
Stephon Green - * Co-Founder, Lead Programmer *
Barrystyle - Core Developer

References

Website: https://coin.mateable.com
Explorer: https://explorer.mateable.com
Mining Pools: https://miningpoolstats.stream/mateablecoin
GitHub: https://github.com/mateable/mateablecoin-24.x
Discord: https://discord.com/invite/9TF5QkTwFA
Telegram: https://t.me/mateablecoin
Bitcointalk: https://bitcointalk.org/index.php?topic=5411559
Twitter: https://twitter.com/mateable
CoinPaprika: https://coinpaprika.com/coin/mtbc-mateablecoin
CoinGecko: https://www.coingecko.com/en/coins/mateable

Personal Note

Dear Reader,

We want to express our gratitude for taking the time to read this document. We would like to emphasize that this document is continuously evolving and adapting to align with the specifications of our project. Its purpose is to serve as educational material, aiming to provide a deeper understanding of MateableCoin and the world of cryptocurrency.

We sincerely hope that this document has been informative and has contributed to expanding your knowledge on this subject. Your dedication in reading something that we are truly passionate about is greatly appreciated.

We hope that the revisions presented so far have been enjoyable for you, and we are excited to bring you more valuable content in the future.

Thank you once again for your readership.

Best regards,

Mateable Team

Conclusion

MateableCoin is a multi-algorithm proof-of-work with proof-of-stake cryptocurrency that offers a unique blend of security, scalability, and efficiency. With its deflationary economic model and focus on community engagement, MateableCoin is well positioned to succeed in the rapidly-evolving world of decentralized finance.

As the cryptocurrency landscape continues to evolve, we believe that MateableCoin will play an important role in the future of finance, offering users and businesses alike a powerful and secure platform for transactions and value exchange.

We are excited to be a part of this innovative and rapidly-growing ecosystem, and we look forward to continuing to work with our community and partners to build a more open, transparent, and equitable financial system for everyone.