

DMC – Dynamic Coin Currency White Paper

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Introducing Dynamic Coin

Dynamic Coin is a revolutionary new currency designed from the ground up to support a global scale transaction volume with incredible speed, no technical limitations on TPM, no limitation of coin production and a bullet proof mechanism to prevent inflation and volatility.

Dynamic Coin introduces many innovations from 15 seconds block time for 1+ minute instant transactions, to no block size limit to allow huge TPM volume, while on the same time set no limit on coin production with a differential block reward that changes in real time based on the currency price to provide non-volatility and prevent inflation.

15 Seconds Block Time – allowing blazing fast transactions. 4 confirmations in 1 minutes. 6 confirmations in 1.5 minute. Fast enough to pay in every brick and mortar establishment, fast enough to exchange DMC for any product from a street vendor on the go. Further, allowing performance of time critical purchases over the internet and face to face. Moreover, it makes it feasible to have a debit card for use in POS worldwide.

Unlimited block size makes sure this currency can scale indefinitely and support a huge volume of transactions, making sure no dropped or lost transaction. With today's personal computers offering terabytes of SSD and 8-16GB Ram for a few hundred dollars and with internet connections speeds at home surpassing 100MB/S there is no lack of bandwidth, storage space or computing power to support a large volume of transactions. Better yet with DMC processing 40 blocks in the same time BTC processes a single block allows 40 times smaller blocks for the same volume of traffic which is a huge advantage.

Unlimited coin production and no "end" to coin production creates a currency able to grow to unlimited size and support economies as large as a country or even global. DMC can scale up to huge size while on the same time preventing inflation, devaluation and volatility by using the differential reward algorithm that is directly linked to the coin price in real time.

Differential Reward – same like BTC, there is a miner's reward for mining a block. But unlike BTC, in DMC the reward is differential. It is directly related to the market price of DMC at the time of mining in real time. A reward can be as small as 1 DMC or as large as 1,000,000 DMC and is determined by analyzing the market price of DMC in real time. If the price went down from the last block, the Reward is decreased, and if the price goes up then the reward increases, therefore stabilizing the market price on the fly constantly every 15 seconds.

Price Stability is an instrumental property of any currency. DMC hallmark is its stability. DMC will not be doubling overnight but on the same time won't be halving overnight. Disappointing for speculative investors but a necessity for a currency which wants to be used by large corporations and governments in large quantities. DMC is the 1st currency that behaves like traditional currencies and offers stability that can be dependent on by large organizations to perform large transactions in the millions. It is the only virtual currency that offer growth ability and stability on the same time and is suitable for large scale adoption.

The DMC algorithm ensures constant up pressure vector for prices over \$1 as the block reward increases exponentially and therefore the miners profit increases exponentially as well which ensures the miners will keep on selling the coins for the highest possible price.

The Global Reserve System is a non-profit organization with the goal of providing bullet proof stability to the DMC market in times of crisis. It has large reserves of BTC & DMC and is able to buy or sell large quantities of DMC to stabilize the market in times of volatility. However in keeping with the free markets principal it will not be active in the market in normal times and also will not respond to manipulators trying to use the GRS to their benefit. The GRS is a nonprofit organization focused on a single currency, DMC, and function like the Federal Reserve Bank, albeit with no centralization or control over DMC.

DMC is an open source project hosted on GitHub. It is community managed and developed.