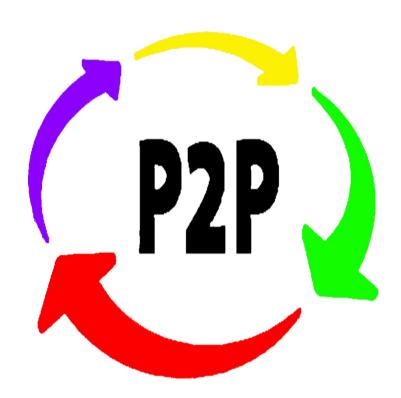# P2P Coin and p2p-coins.pro Platform

Masternodes hosting platform, block-chain development, web Design services and adiacent services.

Whitepaper v1.0.0

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Introduction

Blockchain is a secure digital transaction book, managed by a network of computers which provides a permanent record of information about the transactions of all users. Each transaction or "block" is written sequentially in the register. The consolidated report on transactions includes a progressive series of "blocks" that constitute the "chain". Each "block" or "mark" of transactions is checked by a cryptographically authorized set of participants, which makes it impossible to damage or change information.

A purely peer-to-peer version of electronic cash would allow online payments to be sent directly from one party to another without going through a financial institution. Digital signatures provide part of the solution, but the main benefits are lost if a trusted third party is still required to prevent double-spending. We propose a solution to the double-spending problem using a peer-to-peer network. The network timestamps transactions by hashing them into an ongoing chain of hash-based proof-of-stake, forming a record that cannot be changed without redoing the proof-of-work. The longest chain not only serves as proof of the sequence of events witnessed, but proof that it came from the largest pool of CPU power. As long as a majority of CPU power is controlled by nodes that are not cooperating to attack the network, they'll generate the longest chain and outpace attackers. The network itself requires minimal structure. Messages are broadcast on a best effort basis, and nodes can leave and rejoin the network at will, accepting the longest proof-of-work chain as proof of what happened while they were gone.

Proof-of-Stake

At the heart of the proof-of-stake algorithm is the storage of all the operations in the P2P wallet with the distributed database. Synchronization of the wallet nodes of P2P running on proof-of-stake is carried out through the peer-to-peer network, P2P. Thanks to proof-of-stake, it is possible to implement cryptocurrency with high security conditions to avoid hacker attacks and fraudulent actions. Moreover, it is more efficient and environmentally friendlier than proof-of-work, which utilizes lots of energy with application specific integrated circuit (ASIC) machines.

The system using the proof-of-stake method is based on the principles of decentralized management in the absence of a single controlling authority, which does not allow a malicious actor to know exactly which version of the block is valid. In simple terms, the definition of the principle of the proof-of-stake algorithm can be given as follows: The more P2P possessed in a wallet, the more credibility that wallet node will be given in the permission-less network. Thus, the wallet will likely receive a block reward because of the relative weight that wallet contributes to the protection of the network. The amount of time a wallet participates in protecting the network is also a factor. From a security standpoint, proof-of-stake is not only mining, but the wallet also stakes the P2P amount to ensure against the validity of the transactions placed in blocks. By having a wallet with a large amount of P2P and staking that amount, this decreases the probability that the owner of the wallet is acting in a malicious manner to harm the network. Thus, wallets with high P2P amounts are given a greater preference in confirming transactions than wallets with smaller P2P amounts.

An P2P wallet node serves in the first layer of the hybrid cryptocurrency network by confirming transactions on the blockchain, selecting a network masternode for instant transactions, and creating the next block for storing future transactions. A discussion of the second layer P2P network is described next.

Masternodes

P2P Coin is distributed within a two-tier, hybrid network for securing the blockchain by (a) confirming transactions, (b) ensuring the privacy of transactions, and (c) facilitating instant transactions with users of the P2P Coin Platform. Moreover, we have developed a financial model that would generate income for P2P owners while utilizing P2P itself for the security of the blockchain. As in other masternode networks, users of the platform and owners of P2P are compensated by the network through a dynamic allocation of rewards based upon P2P owner contributions to the network as confirmation nodes and masternodes. This incentive structure encourages platform users and independent P2P owners to utilize the digital currency for securing the payment network. Not limited to securing the network, the core goal of P2P is to serve as the cryptocurrency that is used by all partners within the P2P Platform for transfer of funds and payments.

Reward Diagram

Listed below is the block reward distribution table for P2P masternode owners and non-masternode owners, whom have their wallets open for staking. With each block a different node is randomly selected and rewarded. The 'minted' block rewards are distributed on a sliding percentage scale between masternode owners and staked owners to create a fair distribution of coins. Be sure to read the P2P whitepaper for more details on masternode and staking.

Specification

Coin Name	P2PCOIN
Ticker	P2P
Algorithm	POS
Block Reward	1 – 12 P2P
Masternode Collateral	1000 P2P
Masternode Reward	80% - 90%
Staking (Proof of Stake) Reward	10% - 20%
Block Time	60 seconds
Total Supply	21,000,000 P2P
Spendable Premine	50 000 P2P (~0.24%)
Locked Premine	250 000 P2P (~1.20)

"Spendable premine" amount will be used for the coin launch, listing in CryptoBridge, listing in CoinExchange, listing in MNO, advertise and road-map stage 3 development for P2P Platform.

Phase	Block Range		Reward Per Block	% Masternode Reward	%Staking Reward	MN Reward (Coins)	Stake Reward (coins)
1	0	9,999	1	80	20	0.8	0.2
2	10000	19,999	0.5	80	20	0.4	0.1
3	20000	29,999	0.1	80	20	0.08	0.02
4	30000	39,999	0.1	80	20	0.08	0.02
5	40000	49,999	1	90	10	0.9	0.1
6	50000	59,999	2	90	10	1.8	0.2
7	60000	69,999	2	90	10	1.8	0.2
8	70000	79,999	3	90	10	2.7	0.3
9	80000	89,999	4	90	10	3.6	0.4
10	90000	99,999	5	90	10	4.5	0.5
11	100000	109,999	6	90	10	5.4	0.6
12	110000	119,999	6.5	90	10	5.85	0.65
13	120000	129,999	7	90	10	6.3	0.7
14	130000	139,999	7.5	90	10	6.75	0.75
15	140000	149,999	8	90	10	7.2	0.8
16	150000	159,999	8.5	90	10	7.65	0.85
17	160000	169,999	9	90	10	8.1	0.9
18	170000	179,999	9.5	90	10	8.55	0.95
19	180000	189,999	10	90	10	9	1
20	190000	199,999	10.5	90	10	9.45	1.05
21	200000	209,999	11	90	10	9.9	1.1
22	210000	219,999	11.5	90	10	10.35	1.15
23	220000	229,999	12	90	10	10.8	1.2
24	230000	239,999	11.5	90	10	10.35	1.15
25	240000	249,999	11	90	10	9.9	1.1
26	250000	259,999	10.5	90	10	9.45	1.05
27	260000	269,999	10	90	10	9	1
28	270000	279,999	9.5	90	10	8.55	0.95
29	280000	289,999	9	90	10	8.1	0.9
30	290000	299,999	8.5	90	10	7.65	0.85
31	300000	309,999	8	90	10	7.2	0.8
32	310000	319,999	7.5	90	10	6.75	0.75
33	320000	329,999	7.4	90	10	6.66	0.74
34	330000	339,999	7.3	90	10	6.57	0.73
35	340000	349,999	7.2	90	10	6.48	0.72
36	350000	359,999	7.1	90	10	6.39	0.71
37	360000	369,999	7	90	10	6.3	0.7
38	370000	379,999	6.9	90	10	6.21	0.69
39	380000	389,999	6.8	90	10	6.12	0.68
40	390000	399,999	6.7	90	10	6.03	0.67
41	400000	409,999	6.6	90	10	5.94	0.66
42	410000	419,999	6.5	90	10	5.85	0.65
43	420000	429,999	6.4	90	10	5.76	0.64
44	430000	439,999	6.3	90	10	5.67	0.63
45	440000	449,999	6.2	90	10	5.58	0.62
46	450000	459,999	6.1	90	10	5.49	0.61
47	460000	469,999	6	90	10	5.4	0.6
48	470000	479,999	5.9	90	10	5.31	0.59
49	480000	489,999	5.8	90	10	5.22	0.58
50	490000	499,999	5.7	90	10	5.13	0.57
51	500000	509,999	5.6	90	10	5.04	0.56
52	510000	519,999	5.5	90	10	4.95	0.55
53	520000	529,999	5	90	10	4.5	0.5

"Locked premine" will be locked into premine address that we will provide to all to monitor. The amount will only be used in case of need for road-map stage 4 , other extra project development and advertise.

Road-map

The following is the Road-map for 2018 and 2019

- **Stage 1 – November 2018**

  - P2P Platform launch. The platform is up and running from late 2017.

  - Bounty campaign launch

  - P2P Coin Network and block-chain launch

  - Initial Whitepaper release

  - Official website launch

  - Block Explorer launch

  - Wallet release Windows, Linux

- **Stage 2 – Late November and December 2018**

  - Pre-Sale Campaign launch

  - Marketing Campaign launch\

  - MNO Listing

  - CryptoBridge Listing

  - CoinExchange Listing

- ○ Wallet release, IOS
- **Stage 3 – Early 2019**
  - ○ PRE-SALE service for new coins. We will offer a new service of customized pre-sale on P2P Platform to help the new coins developers .The service will be paid in P2PCOIN
  - ○ COINS SWAP service on P2P Platform. We will offer an easy and fast way to swap coins on P2P Platform for coin developers. The service will be paid in P2PCOIN
  - ○ Block-chain and wallet development. We will offer services of block-chain and wallet development. The service will be paid in P2PCOIN
  - ○ Coins Website and Block explorer build service.The service will be paid in P2PCOIN
  - ○ 1 CLICK DEPLOY Masternode cold wallet hosting. We will provide hosting for masternodes with easy and automatic deploy in P2P Platform. The service will be paid in P2PCOIN
  - ○ STAKING service on P2P Platform
  - ○ LINUX SERVER MANAGEMENT service paid in P2PCOIN
  - ○ Complex web design services paid in P2PCOIN
- **Stage 4 – Late 2019**
  - ○ Cryptopia Listing
  - ○ Kucoin listing
  - ○ Binance listing
  - ○ Complex marketing campaign

Conclusion

P2PCOIN will serve as international P2P digital crypto-curency used by P2P Platform as peer-to-peer electronic cash in return for the services offered.

New collaborations are in negotiation for the use of p2pcoin as peer-to-peer electronic cash on other platforms outside P2P-COINS.PRO.