

BIXB TEAM

BIXBCOIN WHITEPAPER

REVISION 2.0

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1. Abstract

This Whitepaper aims to introduce the Bixbcoin Design/methodology/approach from a technical aspect. The authors (the BIXB developer team) break down the details and technical information of the Bixbcoin network, features, and use cases to describe how BIXB provides a solution to conventional economic systems. In addition, since blockchain is an emerging technology with non-stop significant development, it's considered to publish the second revision of the Bixbcoin whitepaper and study the updates, improvements, and its new role in the current cryptocurrency space. The paper also provides compelling evidence about Bixbcoin's security, market expansion, Tokenomics, and future perspective. The given results and details are essential for investors, financial markets, and developers since they can find comprehensive information and accurate data to analyze and determine BIXB's value.

2. Introduction

Bixbcoin (Ticker: BIXB) is a peer-to-peer decentralized cryptocurrency based on its native blockchain (Bixbcoin Blockchain) using PoW (Proof-of-Work) algorithm. It was initiated on March 15, 2020, as a Litecoin (LTC) fork to develop the DeFi ecosystem and provide more blockchain services. The maximum supply is 2998500 units, and its smallest unit (1 BIXBmil) is equivalent to 0.00000001 BIXB. It uses the SCRYPT hashing algorithm. The network generates new blocks every 2.5 minutes and a throughput of 28 tps.

BIXB decentralized ledger automatically stores all transactions across a p2p network without the need for intermediaries of third parties; all transactions are transparent and available on BIXB Explorer.

Also, it provides a complete DeFi ecosystem with boosted speed and reduced network fees. The BIXB DeFi services include wallets for all platforms, payment gateway API, exchange, lending, stacking, and play-to-earn game platforms. Nevertheless, BIXB will launch its Metaverse called "Metabix" in 2024.

3. Disclaimer

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4. Tokenomics

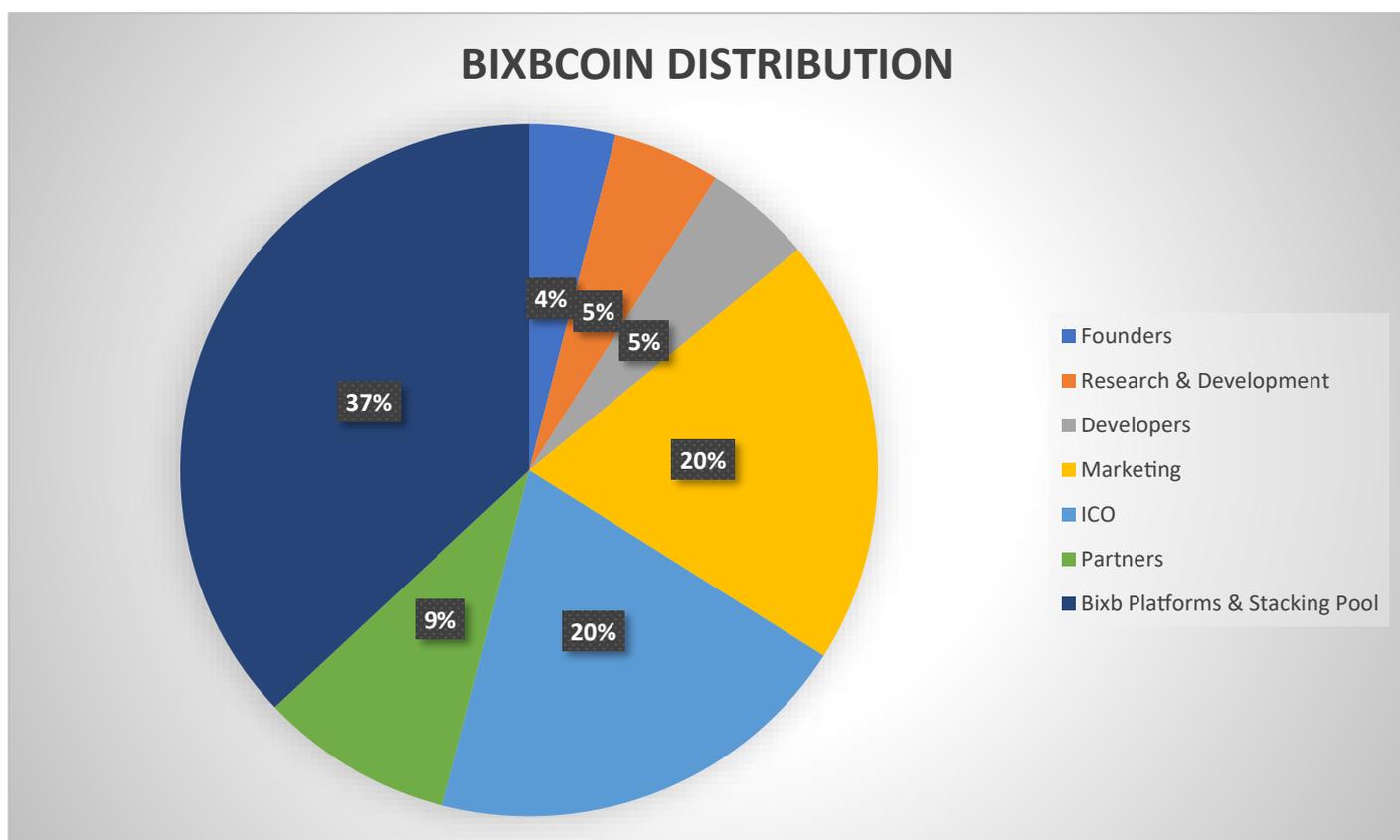


Figure 1 - BIXBCOIN TOKENOMICS

5. Case of Use

Cryptocurrency is designated to be an alternative to conventional money. Nevertheless, it was created to develop the modern digital economy through transparency, safety, availability, and flexibility improvements. Thus, as well as other cryptocurrencies, it follows the same target, including facilitating and securing digital payments and trading; however, holders may also use it as a long-term investment considering BIXB's fundamental options as its scarcity and technical developments.

The BIXB's combination of features can be employed in various innovative applications in finance, gaming, advertising, online retail, smart contracts, and supply chain management. Nonetheless, numerous Bixbcoin use cases that have never existed before will be performed on Metabix.

6. Market Development

Our Marketing Team has put all the efforts and focus into raising awareness about Bixbcoin, engaging the audience, and driving the growth of BIXB to benefit all users worldwide. In this regard, we are planning for our marketing expansion in Europe and the Middle East by the first quarter of 2023.

As the first step, since cryptocurrency and blockchain can seem complicated to the audience and hinder them from taking action, we set out to tackle this problem. We have designed a website called “BIXBTeam,” where our experts break complex topics into digestible bites. Also, it contains learning articles about any platform or service that Bixbcoin provides. People can reach out to them to better understand the Bixbcoin ecosystem.

We are following a marketing strategy to up-level BIXB Coin and achieve the best result. Some of them are briefly explained below:

- 1- We use artificial intelligence to know our target audience and drill down the behavioral pattern of the ideal customers.
- 2- We’ve hired a team of experts to analyze our competitors and study the market to stay up-to-date with the latest happenings in the crypto world. Our researchers must find existing solutions to help Bixbcoin grow, such as new technologies that can be employed to Bixbcoin’s structure and make it more optimized and distinguished.
- 3- Our marketing strategies rely on “SMART Goals.” SMART goals are Specific, Measurable, Attainable, Relevant, and Time-bound. It helps us prioritize our tasks, have more precise goals, and track progress. We plan to report our achievements on the

BIXB COIN's official website. All BIXB investors have the right to be able to track them down.

4- From time to time, we use referral and loyalty programs to attract customers. Bonus prizes, incentive plans, referral rewards, and Airdrops are considered to leverage Bixbcoin's popularity.

5- Since advertising is not solely enough to catch customers' attention and trust, we must deliver the best user experience via all BIXB services. In this regard, we recently updated all platforms and optimized BIXB's official website to ensure they provide the latest information and an appealing interface.

6- We have scheduled a list of public events, seminars, and social cause campaigns to connect with the audience. We plan to hold virtual conferences, AMA sessions, and interviews to introduce Bixbcoin globally.

7- Our PR team is actively conducting press conferences and publishing news about Bixbcoin. They also collect positive and especially negative feedback from users to ensure our team focus on the main issue and solves the problem immediately. However, each platform has its special support team assigned to respond quickly to the clients.

8- For our users' convenience, we provide chat groups and Telegram bots that quickly answer the user's queries. Nonetheless, FAQs are also designed for each platform separately.

9- In addition to our email marketing campaigns, we regularly interact with customers on Reddit, Twitter, Discord, Instagram, and Medium and post essential updates through engaging posts, announcements, and articles.

10- We consistently measure the metrics to analyze our marketing performance via modern tools and indicators; Because it's crucial to ensure BIXB HODLers benefit from their long-term investment.

7. Technical Structure

Technical Details	
Full Name	Bixbcoin
Ticker	BIXB
Launch Date	2020 March 15
Type	Cryptocurrency
Fork	Litecoin
Total Supply	2998500
Consensus Algorithm	Proof of Work (PoW)
Hashing Algorithm	SCRYPT
Block Time	2.5 Minutes
Through Put	28 tps
License	MIT License
Original Authors	BIXB Developers Team
Smallest Unit	0.00000001
Transaction Fees	≈ 0.002 to 0.01
Operating System	Linux - Windows - Android - Web

Table 1 – BIXB Technical Details

7.1 Blockchain

Bixbcoin uses its native blockchain to create and transfer digital coins via an open-source cryptographic protocol.

Blockchain is a technology that permits transactions to be recorded permanently as a digitized, distributed, consensus-based secure storage of information protected from revision and tampering over the peer-to-peer network. This technology cryptographically secures the system and chains data in chronological order. It removes intermediaries and creates trust through the algorithm.

Problems with the current system

- Account Hacking
- Internet Frauds
- High Transaction Costs
- High Transaction Time due to intermediaries
- Dependency on Banks

How Bixbcoin solves the current problem

- Security through Cryptography
- through multiple machines
- Low transaction costs
- Removing central parties and intermediaries.

7.2 Hashing Algorithm

Script, an alternative proof-of-work algorithm, is used for Bixbcoin. Script Proof-of-Work algorithm secures the Bixbcoin network. PoW requires that one party proves to all the other participating parties in the network that a required amount of computational effort has been expended.

Function script

Inputs: This algorithm includes the following parameters:

Passphrase:	Bytes	string of characters to be hashed
Salt:	Bytes	string of random characters that modifies the hash to protect against Rainbow table attacks
CostFactor (N):	Integer	CPU/memory cost parameter – Must be a power of 2 (e.g. 1024)
BlockSizeFactor (r):	Integer	blocksize parameter, which fine-tunes sequential memory read size and performance. (8 is commonly used)
ParallelizationFactor (p):	Integer	Parallelization parameter. (1 .. $2^{32}-1 * hLen/MFlen$)
DesiredKeyLen (dkLen):	Integer	Desired key length in bytes (Intended output length in octets of the derived key; a positive integer satisfying $dkLen \leq (2^{32}-1) * hLen.$)
hLen:	Integer	The length in octets of the hash function (32 for SHA256).
MFlen:	Integer	The length in octets of the output of the mixing function (SMix below). Defined as $r * 128$ in RFC7914.
Output:		
DerivedKey:	Bytes	array of bytes, DesiredKeyLen long

Step 1. Generate expensive salt

`blockSize ← 128*BlockSizeFactor // Length (in bytes) of the SMix mixing function output (e.g. 128*8 = 1024 bytes)`

Use PBKDF2 to generate initial $128*BlockSizeFactor*p$ bytes of data (e.g. $128*8*3 = 3072$ bytes)

Treat the result as an array of p elements, each entry being *blocksize* bytes (e.g. 3 elements, each 1024 bytes)

`[B0...Bp-1] ← PBKDF2HMAC-SHA256(Passphrase, Salt, 1, blockSize*ParallelizationFactor)`

Mix each block in **B** Costfactor times using ROMix function (each block can be mixed in parallel)

`for i ← 0 to p-1 do`

`Bi ← ROMix(Bi, CostFactor)`

All the elements of **B** is our new "expensive" salt

`expensiveSalt ← B0||B1||B2|| ... ||Bp-1 // where || is concatenation`

Step 2. Use PBKDF2 to generate the desired number of bytes, but using the expensive salt we just generated

`return PBKDF2HMAC-SHA256(Passphrase, expensiveSalt, 1, DesiredKeyLen);`

Description 1- Consensus Algorithm

Unlike Bitcoin, which uses the SHA-256 PoW hashing algorithm, BIXB uses the less resource-intensive Scrypt PoW algorithm. Scrypt is a password-based key derivation function. The Scrypt key derivation function was initially developed for use in the Tarsnap online backup system and is designed to be far more secure against hardware brute-force attacks than alternative functions such as PBKDF2 or bcrypt." Lee developed Scrypt specifically to make large-scale, custom-built hardware attacks on the currency more difficult. Bitcoin's SHA-256 algorithm does not require a lot of random-access memory (RAM) as an impediment to parallel processing, whereas Scrypt does.

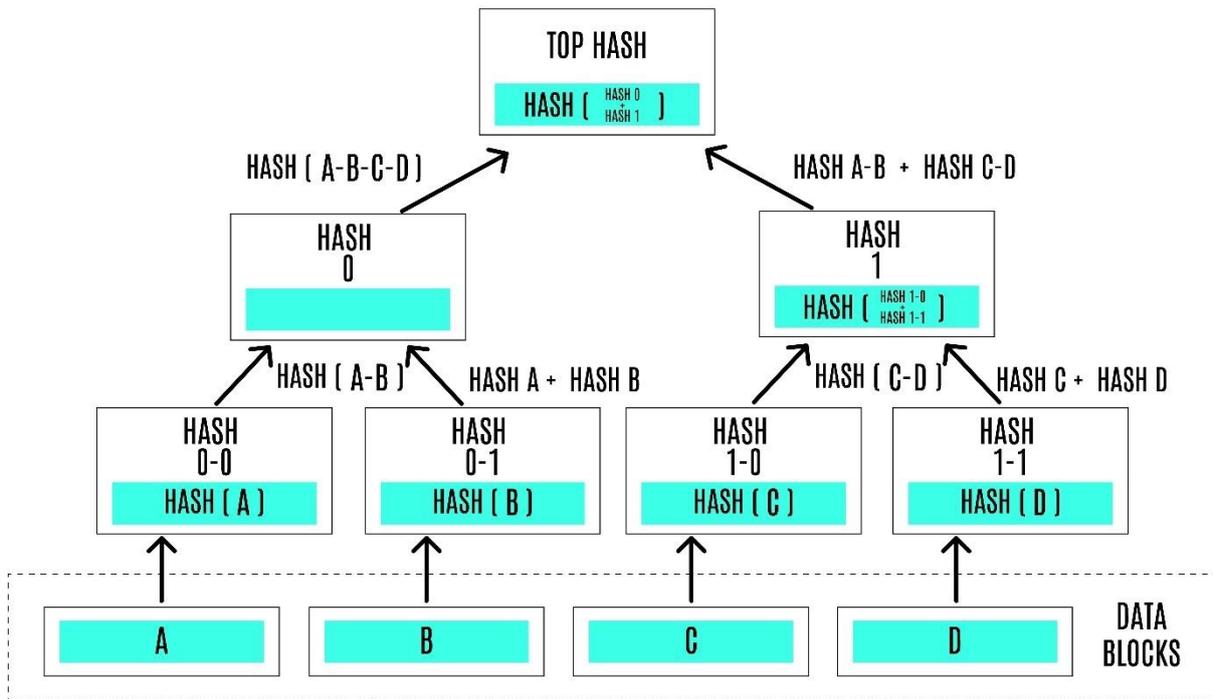
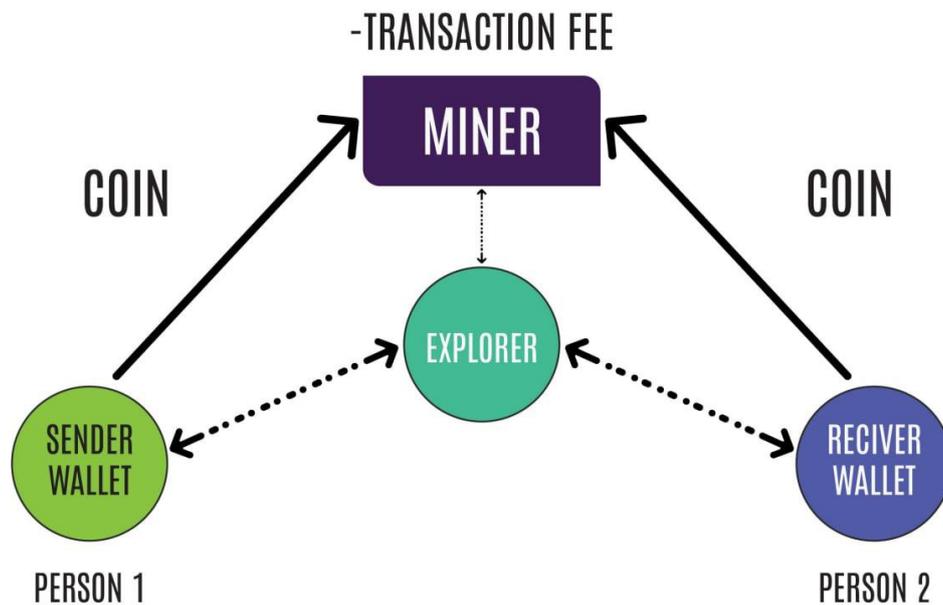


Figure 1 - BIXB Blockchain Structure

7.3 Mining

Since Bixbcoin is pre-mined, miners don't create new coins during the mining process; however, they earn block rewards as they confirm Bixbcoin transactions by providing their computing power (GPU & CPU) to calculate complicated mathematic problems. As a sender withdraw some BIXB, the miner confirms the transaction, and the coin will be sent to the receiver. A minimum transaction fee belongs to the miner as a reward.



BIXB WALLET TRANSACTION PROCESS

Figure 2 – Miner's Role in A Transaction process

7.4 Differences between Bitcoin and Bixbcoin

Bixbcoin is different in some ways from Bitcoin:

The targeted block time is every 2.5 minutes for Bixbcoin, as opposed to Bitcoin's 10 minutes. This allows Bixbcoin to confirm transactions four times faster than Bitcoin.

Scrypt, an alternative proof-of-work algorithm, is used for Bixbcoin. It partially differs from Bitcoin's SHA-256 algorithm by including a sequential memory-hard function, requiring asymptotically more memory than an algorithm that is not memory-hard.

Bixbcoin has a maximum circulating supply of 2998500 BIXB, significantly smaller than Bitcoin's maximum circulating supply of ₿21,000,000.

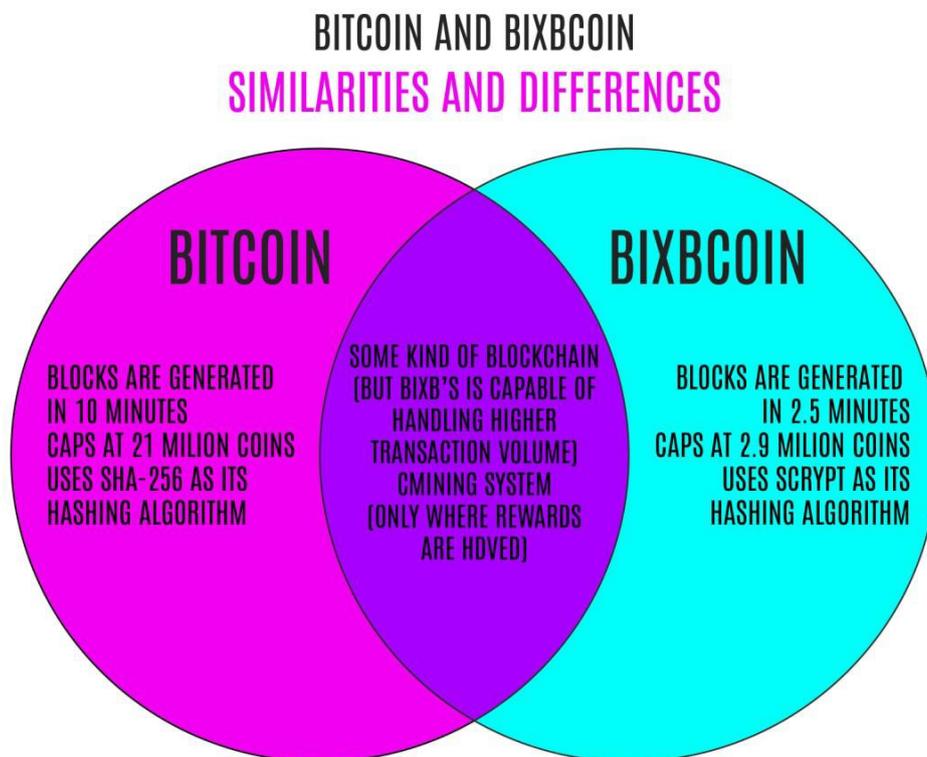


Figure 3 – Bitcoin Vs. Bixbcoin

7.5 Pair of Keys

- **Public Key**

A public key is a cryptographic code that allows users to receive Bixbcoin into their accounts. The public and private keys are the tools required to ensure the security of the BIXB economy.

When users initiate their first transaction with Bixbcoin, a unique pair of public and private keys is created. Each of the keys consists of a long string of alphanumeric characters that help to keep a user's holdings secure in the BIXB ecosystem.

The private key is known to the user alone and serves as the user's digital ID. The private key authorizes the user to spend, withdraw, transfer, or carry out any other transaction from his or her account. A sophisticated algorithm is applied to the private key to generate the public key, and both keys are stored in a BIXB wallet.

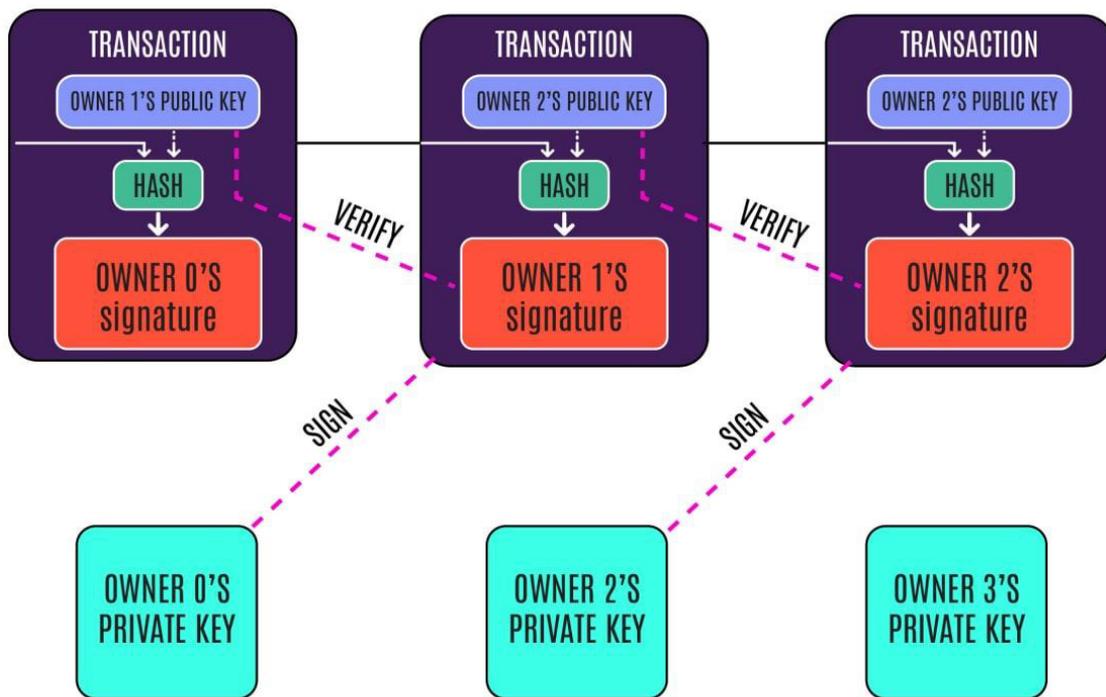
- **Private Key**

A private key is a secret number used in cryptography, similar to a password. In Bixbcoin, private keys are used to sign BIXB transactions and prove ownership of a blockchain address.

A private key is an integral aspect of Bixbcoin, and its security makeup helps to protect a user from theft and unauthorized access to funds.

7.6 Transactions

A BIXB transaction is a process of transferring Bixbcoin value on the blockchain. Simply put, a transaction is when participant A gives a designated amount of Bixbcoin they own to participant B. Transactions are created through mobile, desktop, or hardware wallets.



FLOW OF BIXB TRANSACTION

Figure 4 – Bixbcoin Transaction Process

8. Security

There are different difficulty adjustments and retargeting algorithms used on proof-of-work blockchains. Since Bixbcoin uses the “Dark Gravity Wave” difficulty retargeting algorithm, here we break down the details and discuss the advantages of using this method.

DGW Definition

“Dark Gravity Wave” is an open-source mining difficulty re-adjustment algorithm developed by Evan Duffield.

Before DGW came KGW (Kimoto Gravity Wall), a most popular difficulty re-target algorithm that adjusts the difficulty of every block using information from the previous blocks. Dark Gravity Wave was inspired and is based on Kimoto Gravity Well (KGW). Also, DGW is proven to reduce some theoretical disadvantages of KGW, such as time-warp exploit.

How DGW Works

Bitcoin's standard block difficulty readjustment is set to adjust only every 2016 block. The problem with this scheme is that it gave rise to multipool mining. Multipool mining is a process of jumping from one crypto to another, mining the most profitable one at the moment. Then the miners dump the mined coins to buy back Bitcoins. This issue happened when the price of Bitcoin Cash (BCH) arose.

Miners will only focus on economic incentives; miners almost abandoned the Bitcoin network to mine BCH as BCH became more profitable. Once BCH adjusts its difficulty, miners will jump back to mine Bitcoin. People thought it was a 51% attack, but it's nothing but a seesaw of hashing power delivered between Bitcoin and Bitcoin Cash based on their profitability. This was a severe problem with Bitcoin, which gave birth to Dark Gravity Wave and other mining difficulty regulators.

Benefits of Dark Gravity Wave

DGW uses multiple exponential and simple moving averages to achieve the smoother difficulty re-target mechanism. Bixbcoins with Dark Gravity Wave as their complex algorithm are immune to issues like multipool as it retargets every block's difficulty. Thanks to DGW, the chain becomes more secure, and block times are much more consistent; despite large fluctuations in mining power. Apart from controlled difficulty, some other benefits of Dark Gravity Wave are security, faster transaction, more miners, and a reliable chain.

9. Applications

9.1 BIXB Wallet

BIXB Wallet is a software program produced and published by the BIXB developers' team. It stores the unique address of every Bixbcoin and transacts it using blockchain transactions. It allows users to interface with the BIXB blockchain and holds Bixbcoins balance. If users want to purchase or spend BIXB, they must install and use a BIXB wallet.

BIXB Wallets Function

When users create a BIXB wallet, two different keys are generated: 1- A private key that should be safeguarded and not shared with untrusted entities, and 2- A public key that has to be shared with people to whom BIXB should be transferred. When person 1 sends one BIXB to Person 2, person one will include the private key of their BIXB and the public key of person 2's wallet. After that, transactions can be completed, and one BIXB can reach person 2's account.

When person 1 spends some Bixbcoins from their wallet, they essentially sign off the ownership to person 2. To do so, the private key of person 1's Bixbcoins must match the receiver's public address. Then only Bixbcoins are transferred, and person 1's wallet balance reduces. The whole transaction is encrypted and added to the relevant blockchain, and the wallet balances of both involved parties show changes. All transactions are transparent and traceable by Bixbcoin Explorer.

BIXB Wallet Features

1. BIXB wallet never runs out of space. Everyone can store a desired number of BIXB in one place.
2. BIXB wallet lets users hold and operate with BIXB in an organized manner.
3. BIXB wallet has a quick balance checker that tells users instantly how much balance is available, where and when the last transaction occurred, etc.
4. This wallet also has a note accessory where users can write down any special remarks about a particular transaction to help recall later. On the other hand, it's not just a BIXB keeper but an auditor and tracker too.

Bixbcoin Wallets

Different BIXB wallets have the same duty: storing and safeguarding all Bixbcoins or sending/receiving them to/from another BIXB wallet or a third-party address.

Here is a complete breakdown of all the types of BIXB wallets –

- Desktop wallets

BIXB Desktop is a software program that can be downloaded via a web browser to a laptop or PC. These wallets work even when not connected to the net. BIXB desktop wallets are available for Windows, Mac & Linux

- Mobile wallet

Since handheld mobile devices are widely used, a compatible BIXB wallet is also provided for mobile. Apart from its portability, it has QR code compatibility that makes instant BIXB payments a breeze. It is designed for Android users, which they can download via GooglePlay or BIXB official website.

- **Online web wallet**

BIXB Online web wallet is maintained on the cloud. It requires internet connectivity to work and is accessible by referring to bixbwallet.io. Since the internet is an open space and web browsers could not be reliable enough, BIXB online web wallet is the least safe choice, and it's preferred to use other types of BIXB wallets instead.

10. Explorer

Bixbcoin block explorer is a blockchain search engine that allows users to search for particular information on the BIXB blockchain. The activities carried out on BIXB blockchains are known as transactions, which occur when they are sent to/from wallet addresses. Each transaction is recorded on a digital ledger, a BIXB blockchain. Blocks on the blockchain are collections of transactions processed and approved by a group of third parties known as Bixbcoin miners.

This online tool views all transactions that have taken place on the blockchain, the current network hash rate and transaction growth, and the activity on blockchain addresses, among other helpful information.

Nevertheless, it also contains all required APIs of BIXB that users can deploy to their websites or applications. These APIs also help to achieve more information about Bixbcoin.

In addition, users can explore real-time blockchain data and perform more in-depth analyses over Bixbcoin, including BIXB distribution charts, circulating supply, the market cap, or note the amount of its mining difficulty.

11. DeFi Services

11.1 BIXB Decentralized Staking Service

Probix Staking Platform

Probix is an investment platform launched in late 2021 for those Bixbcoin holders who aim to receive multiple benefits from HODLing Bixbcoin.

Probix is highly secured as it is a blockchain-based platform and uses leading security protocols to obtain more safety. All operations are automatic without any third-party intermediaries. No one hasn't any access to the investors' capital on the blockchain system, which will be released by each plan's expiration, including the compound interest. Another significant feature of Probix is its enormous profit, thanks to the compound interest method. This calculating method brings multiple benefits depending on the selected plan. Probix provides a user-friendly platform that is easy to register and only needs a referral code and an email address. Regarding the decentralized nature of cryptocurrencies, there's no need for KYC in Probix, and users can register without restrictions.

Compound interest is provided in various incentive investing packages.

11.2 BIXB Decentralized Lending Service

Loanypto Introduction

Loanypto is the decentralized lending service of Bixbcoin Provided by the BIXB developer team. They employed the BIXB blockchain to create a DeFi service that stores deposits and lends BIXB to the users. It enables the BIXB community to acquire loans without credit checks or the necessity of a guarantor. Loanypto aims to facilitate decentralized lending for BIXB users and help them not liquidate their BIXB assets to purchase other assets.

- Loanypto Technology

Once users register on Loanypto.com, the system generates a unique public key that lets the users deposit BIXB as collateral. It stores all Bixbcoins sent to LONYPTO into the main wallet so that no entity has no access to the funds. All procedures are fully automated and backboned by the BIXB blockchain; As a result, no one, neither a user nor a website administrator, can change any transaction or modify any information. All transactions are transparently visible on Explorer so that everyone only has access to read the details of transactions.

12. API

BIXB Payment Gateway

Considering the daily improvement in online payments, the conventional payment system is going forward to a different future. Online gateways are considered optimal payment methods, owing to prominent features such as security and availability. One of the most notable features of online payment gateways is the provision of several approaches to online payments, one of which is payment by cryptocurrencies and establishing a digital currency payment gateway. Many companies and businesses seek to develop the necessary infrastructures for payment by cryptocurrencies such as Bitcoin, Ethereum, and Litecoin. According to new research, the number of active traders in this firm and individual crypt users has risen to more than 70 % since October 2020. Bixbcoin Online Payment Gateway is a solution to the modern economic system that facilitates payments via a trusted, transparent and fast connection that removes intermediaries between seller and buyer transactions. Receiving the BIXB payment gateway requires no time-consuming bureaucracy or authentication.

API Calls

getdifficulty
Returns the current difficulty.
<https://bixbexplorer.com/api/getdifficulty>

getConnectioncount
Returns the number of connections the block explorer has to other nodes.
<https://bixbexplorer.com/api/getconnectioncount>

getBlockcount
Returns the current block index.
<https://bixbexplorer.com/api/getblockcount>

getBlockhash [index]
Returns the block hash at; index 0 is the genesis block.
<https://bixbexplorer.com/api/getblockhash?index=1>

getBlock [hash]
Returns information about the block with the given hash.
<https://bixbexplorer.com/api/getblock?hash=ab6e66180ed1a5f0498ba5f2cb7712673787de144c948a9ba2a04e1798758fa9>

getrawtransaction [txid] [decrypt]
Returns raw transaction representation for given transaction id. decrypt can be set to 0(false) or 1(true).
<https://bixbexplorer.com/api/getrawtransaction?txid=74385899c0a380f2ec2adb07e4723a8993ee3bbc96b3cf272af647ffd676f828&decrypt=0>
<https://bixbexplorer.com/api/getrawtransaction?txid=74385899c0a380f2ec2adb07e4723a8993ee3bbc96b3cf272af647ffd676f828&decrypt=1>

getnetworkhashps
Returns the current network hash rate. (hash/s)
<https://bixbexplorer.com/api/getnetworkhashps>

Extended API

Return data from local indexes

getmoneysupply
Returns current money supply
<https://bixbexplorer.com/ext/getmoneysupply>

getdistribution
Returns wealth distribution stats
<https://bixbexplorer.com/ext/getdistribution>

getaddress (/ext/getaddress/hash)
Returns information for the given address
<https://bixbexplorer.com/ext/getaddress/B64Uad18H73ArxHfvDt3Ci9pvrkZqqr3b1>

gettx (/ext/gettx/hash)
Returns information for given tx hash
<https://bixbexplorer.com/ext/gettx/74385899c0a380f2ec2adb07e4723a8993ee3bbc96b3cf272af647ffd676f828>

getbalance (/ext/getbalance/hash)
Returns current balance of given address
<https://bixbexplorer.com/ext/getbalance/B64Uad18H73ArxHfvDt3Ci9pvrkZqqr3b1>

getlasttxsajax (/ext/getlasttxsajax/min)
Returns last transactions greater than [min]
Note: returned values are in satoshis
<https://bixbexplorer.com/ext/getlasttxsajax/100>

Linking (GET)

Linking to the block explorer

transaction (/tx/txid)
<https://bixbexplorer.com/tx/74385899c0a380f2ec2adb07e4723a8993ee3bbc96b3cf272af647ffd676f828>

block (/block/hash)
<https://bixbexplorer.com/block/ab6e66180ed1a5f0498ba5f2cb7712673787de144c948a9ba2a04e1798758fa9>

address (/address/hash)
<https://bixbexplorer.com/address/B64Uad18H73ArxHfvDt3Ci9pvrkZqqr3b1>

QRcode (/QR/hash)
<https://bixbexplorer.com/qr/B64Uad18H73ArxHfvDt3Ci9pvrkZqqr3b1>

13. Investing Methods

There are different ways to invest in Bixbcoin:

- **Probix Staking Platform**

Probix provides a variety of flexible plans for Bixbcoin users to hold their assets for a certain period while earning revenue from staking. The system will calculate the interests and fees monthly and lets them withdraw their asset after the redemption date.

Exchanges Incentive Investment Programs

Usually, we introduce staking programs held by the exchanges that support Bixbcoin. These programs are guaranteed by the exchange platforms that any user who registers can participate.

- **HODLing**

One of the easiest and safest ways is to hold Bixbcoin in a BIXB wallet for an extended period.

14. Partnership

Starting a collaboration with strategic companies may bring fast growth for BIXB; however, it requires transferring a considerable amount of BIXB to third-party firms or individuals. To keep BIXB decentralized, our mission is to avoid such massive partnerships since this could make whales, which can lead to severe dumps and harm the Bixbcoin market. As a result, we came up with an idea to financially support everyone who participates in the development of Bixbcoin core directly, forks or updates the BIXB network or uses BIXB as a payment method in their DeFi platform. To obtain this goal, we've developed a fundraising platform, "Bixbfund," to gather developers worldwide. Everyone can register on the mentioned platform and start collaboration. Payments to partner developers will be in the form of BIXB and will directly send to their registered wallet.

15. Vision

Our vision is to expand BIXB coin adoption and distribution by producing more decentralized products and services that perfectly serve the DeFi ecosystem. To that end, we scheduled short-term and long-term programs that will introduce in this section. Nonetheless, we try our best never to miss the train and keep up with the leading trends in blockchain technology. The details of our future programs that are still halfway are described in the following items.

15.1 Metabix

Story of Metabix

Metabix has a story to tell. It's supposed to be an off-grid remote Meta-Island that, for centuries, everyone thought was nothing more than a fairy tale. But it suddenly appears amid a blue ocean after a million years. Archaeologists believe that based on discovered evidence, this island belongs to the stone age that had been hosting an ancient tribe. Recently Metahumans found this mysterious place and made it livable for all modern Earthians in Metaverse. Historians have different theories about what happened to that ancient tribe; still, there is an entire pristine nature in which evergreen trees meet the blue ocean. There's only a limited number of vacant places on this island for people exhausted from overpopulation and pollution on Earth.

Game Design

In every corner of this island territory, from the chest of hidden caves to the heart of a volcano, unknown secrets are calling out; treasures from the ancient era, rare diamonds, and antiquities will be rewarded to the winners. There are unique and challenging scenarios for every single game in Metabix.

Game Engine

Metabix is built by the leading 3D engine, Unity, a software that creates and enables 3D graphics so that users can interact with each other inside the virtual world. Unity has a top role in allowing us to develop into the metaverse, using its full potential capacities.

Virtual Reality (VR)

You will experience your Metabixian life via Virtual Reality, an immersive experience operated with a digital headset. VR headsets give you a 360° view in Metabix and let you move, socialize, play, and interact.

Audio

Spatial audio is a surround sound effect that gives you the impression that you hear a 3D sound. Within Metabix, this allows you to detect where sound is coming from in the 360° environment of the island. This sound is also distance-based, meaning the closer you get to the sound, the louder it will become; visa-versa, the farther you move from the source of the sound, the less you will hear it.

MMORPG

Metabix is a “Massively multiplayer online role-playing game,” an interactive game where millions of people can simultaneously play and interact in its shared spaces.

Web 3.0 Platform

Web 3.0 provides a decentralized web that serves as the basis for connectivity in Metabix. We aim to build a Metaverse where no entity has any control over users’ data and assets.

NFT

Each land or existing asset on Metabix is an NFT (Non-Fungible Token), meaning it is unique and cannot be forged or duplicated. Everyone can buy/sell them on NFT marketplaces. Once you purchase any digital asset within Metabix using Bixbcoin Payments, a smart contract will be generated that proves your ownership of that asset, whether a land, avatar, etc.

NFT Marketplace

When Metabix launches, you can buy the assets from the exclusive NFT marketplace of Metabix. Then, you can sell, buy or trade land parcels in third-party marketplaces like OpenSea.

Wallet

You can connect your in-game account to Metamask or use Connect Wallet simply via a QR code or an address wallet.

Characters

- *IMMERSIVE AVATARS*

People can start their Meta-Life in a stunning, high-quality, virtual three-dimensional body. Whether you prefer a personalized avatar close to reality or something entirely different, many options exist to create the nearest manifest to your dreams. Metabix lets users customize and design an avatar giving them precisely all they desire to enjoy living inside it. Moreover, there will be thousands of digital assets representing real-life objects.

- *THE DEATHLESS ROBOTARS*

When it comes to dangerous occasions, better not to risk a unique AVATAR through adventure to the deep ocean and dark caves, creepy haunted forests, and impossible mountains to climb. Robotars are designated to carry out such duties to help users explore Metabix fully-guarded & keep avatars safe. They fight in battles against other players. Also, users can update any weapons, power, and tools.

LAND VALUATION, URBAN LIFE & INCOME

Several virtual public spaces, plenty of greenery, concert halls, museums, art galleries, educational institutions, parks, and streets will be built within Metabix. A limited number of plots are for sale, valued according to various criteria. People can purchase land for personal use, development, and investment. Anyone who purchases real estate wins the citizenship of Metabix, which allows them to construct, rent, or sell their digital real estate. Furthermore, real-world brands and institutions own exclusive spaces in Metabix. However, everyone can participate in the urban expansion of Metabix while earning revenue. Also, there are many different income opportunities for all landowners within the Metabix, including games, discoveries, etc.

Insurance

Metabix is the first Metaverse that ensures investors' initial capital. It guarantees that users can withdraw their initial asset anytime. Metabix Insurance is provided as an option for more convenience and safe investment.

LOANS FOR LAND ACQUISITION

All buyers might not want to liquidate their assets or might not have enough funds to purchase lands in the rapid-growth areas. Loanypito Bank, the DeFi system of Bixbcoin, is here to give a hand. Borrowers can get a crypto loan, purchase land, or pay installments by the revenue they achieved within the Metabix (whether their rewards, a hike in the land value, etc.).

STAKING IN METABIX

Probix financial institution is where users can directly register for staking and select a plan that best suits them. Metabixian who stake Bixbcoin there will benefit from the rewards.

PLAY To EARN

Real estate ownership in Metabix is potentially revenue-generating; nevertheless, there are different ways to obtain more benefits. Metabix aims to gather the Bixbcoin community in a great entertaining environment. Numerous P2E games and tournaments are available within Metabix.

Metabix VISION

Metabix aims to utilize the modern technologies in Blockchain and the game industry to facilitate the financial ecosystem in Metaverse while providing equal opportunities for all, even those who can't afford significant investments. Anyone with any financial condition should be able to start a business, even with the smallest amount that, maybe, doesn't count in the real world! We hope Metabix will become more and more community-driven as more people become interested in it. Eventually, Metabix's goal is to empower everyone to make their own world freely, believe in themselves deeply, and build their future brightly.

15.2 BIXB Fundraising Platform

Bixbfund is a fundraising platform that supports all developers around the globe. Everyone can register on the BIXBFund, start collaboration, and get paid. This partnership can include direct improvements on the Bixbcoin blockchain or developing new Apps based on BIXB payments, using BIXB APIs, etc. Payments to partner developers will be in the form of BIXB and will directly send to their registered wallet.

15.3 NFC

Bixbcoin is using NFC (Near Field Communication) technology for making BIXB payments at Merchant's terminal to purchase goods using electronic devices through smartphones to speed up the BIXB payment cycle.

You can buy NFC cards and benefit from the services it provides.

NFC Card

The NFC card works hand-in-hand with an application on a mobile device. This allows users to check balances and send or receive BIXB coins. There's no limit on the number of NFC cards added to the App.

POS

The BIXB POS device is available for all retail stores or service providers. It calculates the amount owed by the customer in BIXB or USD, indicates that amount, prepares an invoice for the customer, and indicates the options for the customer to make a payment or print the last invoice again. The transaction history will keep all the recorded data on the related account.

There are two ways to employ NFC service, whether as a seller or buyer:

- **BIXB NFC App For POS**

An android app will be launched on GooglePlay that POS users must download after requesting a POS device. A wallet will automatically be generated by registering on the App and creating an account. There are three ways to complete payment: 1- Scanning the QR code, 2- Using an NFC card, and 3- BIXB NFC mobile App.

No matter using which method, the App helps you manage your payments and funds. Your asset is safe in a blockchain-based crypto wallet; its amount will be shown in the "balance" section, and you can withdraw it anytime you need.

- **BIXB NFC App for Mobile**

A mobile app will be available on GooglePlay for connecting mobile devices to the NFC payment gateway. Once you install the application and create an account, a default wallet will be generated automatically. There's an option to scan and add unlimited cards, which generates a new wallet for each. You can make the payments instantly only by scanning the QR code and selecting the related card.

All these features will be available in 2022 for BIXB's users.

16. Conclusion

Bixbcoin is a scalable blockchain solution that has employed innovative methods for tackling challenges legacy blockchain networks face. It has a great community that helps it create a decentralized and democratized network. Also, BIXB will soon release its game-changing Metaverse and more surprising platforms that play an important role in the new generation of the cryptocurrency ecosystem.

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18. Glossary

Altcoin - A form of cryptocurrency with the same decentralized, peer-to-peer principles as bitcoin, which uses its own blockchain and rules of operation.

Bixbcoin - Bixbcoin (the ticker: BIXB) is an Altcoin. An altcoin is a term used to describe those digital currencies that do not have as big a market capitalization as Bitcoin. But, as same as Bitcoin, it is a peer-to-peer cryptocurrency with decentralized governance.

Bitcoin - A form of digital currency created in 2009 by Satoshi Nakamoto, created and distributed on a peer-to-peer basis. It has no central bank - transactions are conducted directly between individuals. Bitcoin is the most popular kind of cryptocurrency.

Cryptocurrency - The broad name for digital currencies that use blockchain technology to work on a peer-to-peer basis. Cryptocurrencies don't need a bank to carry out transactions between individuals. The nature of the blockchain means that individuals can transact with each other, even if they don't trust each other. The cryptocurrency network keeps track of all the transactions and ensures that no one tries to renege on a transaction.

Cryptography - Cryptography is the branch of mathematics that lets us create mathematical proofs that provide high levels of security. Online commerce and banking already use cryptography. In the case of Bixbcoin, cryptography is used to make it impossible for anybody to spend funds

from another user's wallet or to corrupt the blockchain. It can also encrypt a wallet to ensure no one can use it without a password.

Double Spend - If a malicious user tries to spend their Bixbcoin with two different recipients at the same time, this is double-spending. Bixbcoin mining and the blockchain are there to create a consensus on the network about which of the two transactions will confirm and considered valid.

Exchange - An exchange is a digital internet-based platform where account holders can exchange one digital currency for another or a Fiat currency for a digital currency.

FIAT - Fiat currency is a traditional paperback currency regulated by an organization such as the central bank. Examples include the Euro, the US dollar, and the Australian dollar.

Block - A block is a record in the blockchain that contains and confirms many waiting transactions. In Bixbcoin, roughly every 2.5 minutes, a new block, including transactions, is appended to the blockchain through mining.

Block Reward - This term refers to the “reward” that the Miner receives for successfully hashing a transaction block.

Blockchain - A digital file distributed to everyone participating in a cryptocurrency network. The blockchain acts as a general ledger, keeping track of all the transactions in the network. Everyone can look at the blockchain to see what transactions have happened on the network, and the blockchain is sealed using cryptography so that no one can tamper with it.

Cold Storage – A security measure for Bixbcoin that is disconnected from the internet. It could be a paper wallet [see below], a USB stick, or a hardware wallet.

Confirmation - Confirmation means that a transaction has been processed by the network and is unlikely to be reversed. Transactions

receive a confirmation when they are included in a block and for each subsequent block. Even a single confirmation can be considered secure for low-value transactions, although, for larger amounts like \$1,000 US, it makes sense to wait for six confirmations or more. Each confirmation exponentially decreases the risk of a reversed transaction.

Genesis Block - The very first block in the blockchain of any digital currency.

Hash - A cryptographic hash is a mathematical function that takes a file and produces a relatively short code to identify that file. A hash has a couple of key properties: It is unique.

Only a particular file can produce a particular hash, and two different files will never create the same hash. It cannot be reversed. You can't determine a file by looking at its hash. Hashing is used to prove that a set of data has not been tampered with. It is what makes Bixbcoin mining possible.

Hash Rate - The hash rate is the measuring unit of the processing power of the Bixbcoin network. The Bixbcoin network must make intensive mathematical operations for security purposes. When the network reaches a hash rate of 10 Th/s, it shows that it could make 10 trillion calculations per second.

Microtransaction – The ability to pay for things in minimal sums thanks to the fact that Bixbcoin may be extended to 8 decimal places. Microtransactions are especially important to casinos by providing players the ability to deposit and gamble fractions or rewards of other services such as giveaway websites.

Mining - The act of producing units of a cryptocurrency (such as Bixbcoin) through some effort is called mining. The effort is required to prevent creating infinite amounts of digital currency, which would devalue it. In Bixbcoin, mining requires computing power. Here is a detailed description of how mining works. Bixbcoin mining is the process of making computer hardware (CPU & GPU) do mathematical

calculations for the Bixbcoin network to confirm transactions and increase security. As a reward for their services, Bixbcoin miners can collect transaction fees for their confirmation. Mining is a specialized and competitive market where the rewards are divided according to how much calculation is done. Not all Bixbcoin users do Bixbcoin mining. Since BIXB is pre-mined, It's not cost-efficient to mine. However, users can only confirm transactions to earn mining rewards, not a newly mined BIXB.

Pre-mined - Pre-mining is the act of mining or creating a quantity of blockchain-based tokens or "coins" before a cryptocurrency is launched to the public. Pre-mining is associated with initial coin offerings (ICOs) to reward the project's founders, developers, or early investors.

Signature - A cryptographic signature is a mathematical mechanism that allows someone to prove ownership. In the case of Bixbcoin, a Bixbcoin wallet and its private key(s) are linked by some mathematical magic. When your Bixbcoin software signs a transaction with the appropriate private key, the whole network can see that the signature matches the Bixbcoin being spent. However, there is no way for the world to guess your private key to steal your Bixbcoin.

Transaction Fee - Some transactions in the Bixbcoin blockchain contain transaction fees. These transaction fees are paid to the miner that hashes the block in question.

Wallet - A Bixbcoin wallet is the equivalent of a physical wallet on the Bixbcoin network. The wallet contains your private key(s), allowing you to spend the Bixbcoin allocated to it in the blockchain. Each Bixbcoin wallet can show you the total balance of all Bixbcoin controls and lets you pay a specific amount to a particular person, just like a real wallet. This is different from credit cards, where the merchant charges you.

Output - When a Bixbcoin transaction takes place, the output refers to the destination address used in the transaction.

P2P - Peer-to-peer refers to systems that work like an organized collective by allowing each individual to interact directly with the others.

In the case of Bixbcoin, the network is built in such a way that each user is broadcasting the transactions of other users. And, crucially, no bank is required as a third party.

Private Key - A private key is a secret piece of data that proves your right to spend Bixbcoin from a specific wallet through a cryptographic signature. Your private key(s) are stored in your computer if you use a software wallet; they are stored on some remote servers if you use a web wallet. Private keys must never be revealed as they allow you to spend Bixbcoin for their respective Bixbcoin wallet.

Proof of Work [PoW] - Proof of work refers to the output of any efforts to mine Bixbcoin. In the Bixbcoin blockchain, the hashing of a block takes time and effort, meaning the hash block can be considered proof of work.

Public key - The public key is a string of digits and letters (your Bixbcoin address). It digitally signs online communication when hashed with a corresponding string known as a private key.