

Talium

A Quick Rising Force To Be Reckoned With In The World Of Cryptocurrency

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Introduction

When the blockchain technology was created, not many people believed it would have as much impact and be as widely used as it is today, every day developers keep looking for better ways to utilize the amazing features of the blockchain technology to help us in our day to day activities. With the blockchain technology also come cryptocurrencies. These digital assets have made it possible for blockchain-based applications to function and also for making transactions easier. The crypto community keeps growing, as more people keep joining, and more cryptocurrencies keep getting created to suit different purposes.

Bitcoin is the blockchain's most popular application, no doubt! It is also the first platform in the cryptocurrency world to implement the blockchain technology into its model. However, something amazing has since been happening in the whole world of digital currency trading. Several cryptocurrencies have come to adopt the blockchain too, attempting to rival Bitcoin in features and functionality.

2017 was indeed a record year for Bitcoin and other cryptocurrencies alike, with demand and price hitting an all-time high. Remarkably, with the implementation of the blockchain technology, coins and tokens were springing up here and there with a great deal of ICOs in the market. There are currently well over 1200 coins circulating the market, each with its own distinctive features and uses.

Although relatively new, Talium coin has with ease made it to the top as a cryptocurrency to be reckoned with, especially with the level of negative speculation and uncertainties that are presently rocking the many big names in the industry

What is Talium cryptocurrency?

Talium coin is new and presently making a huge statement in the world of cryptocurrency. It operates on a technology that is based on the Scrypt algorithm of the blockchain network, designed to provide an unprecedented level of stability and security as a means of making financial transactions. The Talium coin operates on a network that offers a payment system free from all the accompanying barriers of the traditional ways of financing transactions. With the technology that Talium offers, users can now rest assured that all their transactions are not only private, but secure from interruption by a third party, especially since many users may choose not to reveal their actual identities throughout the whole transaction.

Furthermore, the network features a variety of payment options and plug-ins which allow for the easy integration of services, and promoting of e-commerce by providing a platform for online merchandisers to sell their products, digital or otherwise from their own websites with the guarantee of no chargebacks or fraudulent activities.

Security is one very important part of cryptocurrency because no one wants their funds getting into the wrong hands; this is why utmost care is taken when storing and securing the coins. Talium uses masternodes whose function it is to secure the blockchain, and when the blockchain is secured, it will invariably contribute to the availability and stability of the Talium network. The Talium network is one where every participant gains, the system was created in such a way that investors and coin owners get financially rewarded for their contributions to the community, and also for their invaluable services to the crypto ecosystem.

The Talium network functions using the Proof of Stake (PoS) system, and this system is responsible for the combination of the coinage concept and randomization, which in turn is a number that is gotten from the result of the multiplication of the number of coins by the number of days the cryptocurrency has been held.

Unlike some other crypto systems where some people have some privileges over others, the Talium network is designed in a way that the masternodes can be run by anybody; hence it is not reserved for a particular set of people. For the system to function properly, there has to be decentralization, a decentralized system prevents 3rd parties from interfering and implementing policies. Talium intends to possess enough decentralized masternodes, as a security measure that will prevent anyone from gaining control of any fraction of the masternodes. This way there will be no chance of waking up one day and seeing that operational policies have been changed or tampered with.

Specifications and Rewards of Talium coin

COIN NAME	Talium
COIN ABBREVIATION	TLM
COIN TYPE	POW / DPOS
POS HASHING ALGORITHM	SCRYPT
HASHING ALGORITHM	SCRYPT
DIFFICULT RETARGETING	EVERY BLOCK
MAXIMUM BLOCK SIZE	3 MB
MINIMUM STAKE AGE	6 HOURS
MAXIMUM STAKE AGE	UNLIMITED
MAXIMUM SUPPLY	3.2 MILLION
BLOCK TIME	80 SECONDS
COINBASE MATURITY	100 CONFIRMATIONS
POS BLOCK REWARD	2 TLM
POS/MASTERNODE SPLIT	75% - 25%
MASTERNODE COLLATERAL	5,000 TLM

PoW Mining Rewards

BLOCK 1-99	0 TLM (INSTAMINING PROTECTION)
BLOCK 100-4,999	1 TLM
BLOCK 5,000-9,999	2 TLM
BLOCK 10,000-19,999	2.5 TLM
BLOCK 20,000-29,999	3 TLM
BLOCK 30,000-39,999	2.5 TLM
BLOCK 40,000-49,999	3 TLM
BLOCK 50,000-59,999	3.5 TLM
BLOCK 60,000-69,999	3 TLM
BLOCK 70,000-79,999	2.5 TLM
BLOCK 80,000-89,999	3 TLM
BLOCK 90,000-99,999	3.5 TLM
BLOCK 100,000-109,999	2 TLM
BLOCK 110,000-119,999	2.5 TLM
BLOCK 120,000-129,999	3 TLM
BLOCK 130,000-139,999	3.5 TLM
BLOCK 140,000-149,999	2 TLM
BLOCK 150,000-159,999	2.5 TLM
BLOCK 160,000-169,999	2 TLM
BLOCK 170,000-179,999	1.5 TLM
BLOCK 180,000-189,999	2 TLM
BLOCK 190,000-199,999	1.5 TLM
BLOCK 200,000-FOREVER	1 TLM

Lucky PoW Blocks

LUCKY POW BLOCKS REWARD: 500 TLM	111 1,111 11,111 22,222 33,333 44,444 55,555 66,666 77,777 88,888 99,999 111,111 122,222 133,333 144,444 155,555 166,666 177,777 188,888 199,999 211,111 222,222
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PoS and Masternode Reward

2 TLM (REDUCED BY 5% EVERY YEAR)	75% MASTERNODES (1.5 TLM) 25% POS (0.5 TLM)
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Features of Talium coin

With the growing popularity of Talium coin, and the numerous innovations it is bringing to the cryptocurrency world with its numerous features and plug-ins, it is evident that the coins can no longer be overlooked. Here are some of the features that Talium brings to the table of cryptocurrency users.

Masternodes

A masternode is simply a cryptocurrency full node or wallet synced on the blockchain network that keeps the full copy of the digital ledger in real-time, just like a regular node. However masternodes differ considerably from regular nodes as they have unique functionalities beyond keeping the full blockchain and relaying transactions. Masternodes were created as part of the infrastructure of the crypto system that guarantees instant payments, privacy and anonymity all via a decentralized system. They also provide an incentive to the system in such a way that masternode operators receive financial compensation for their services.

Masternodes of the Talium network can be run by anyone on the network. However, just like every other masternode, there is an entry barrier put in place by the Talium network because due to their increased capabilities, to ensure that the system doesn't get malicious or centralized. Every user is expected to hold a minimum of 5000 TLM to qualify them to run a masternode. The locked up coins serve as collateral and makes it less likely for masternode operators to cheat, as punishment for fraudulent acts is in devaluation of their holdings. Masternodes of Talium can be hosted in Windows, Linux and Mac.

Proof of Stake

Since proof of stake is generally referred to as an alternative to proof of works that is to a large extent non energy consuming, then it is safe to say that coin platforms like Talium that work in a simpler mechanism absorbs the proof of work feature. Of course like other proof of works, the Talium stores up coins on a dedicated wallet. Resultant from this mechanism, the user gets a designated percentage of the Talium coins every time he/she stores it.

Without doubt, this is an advantage to the platform, since proof of stake is generally accepted as a more easily adoptable way to transact on the blockchain network. The Proof of Stake name comes from the fact that the miner's holdings are used as stake. Miners however in PoS are referred to as validators. Here, there is no block reward so the validators take the transaction fee charged to the user.

In Talium's network proof-of-stake system, the creator/builder of a block is chosen based on the concept of coinage which is number derived from their stake in Talium coins and the age of that stake within the Talium network. Proof of Stake is a lot more cost efficient than other means of block validation and there's also the reduced risk of centralization.

Proof of Work

Proof of Work is a validation protocol where miners are expected to solve a mathematical puzzle/computer algorithm before a transaction can be verified. The first miner to solve the puzzle within a block is rewarded for the block which is then verified and recorded on the permanent database of the blockchain. Although the mining process uses up a lot of energy, PoW guarantees trustless and distributed transactions and it remains the more popular validation concept. As expected, the Talium platform has absorbed this feature as a part of its working process too, allowing interested users to reap lots of interesting benefits that are related to the overall working process of proof of work.

Limited supply

This fact that its coins are limited in supply is good news for miners. While most other ICOs may announce large number of coins in exchange for 1 BTC, a proper survey will actually show you how much of a scam they really are. Yes, they are not as a good deal as you like you think. They want to sell their coins to you and disappear.

It sounds like the best deal when you get 25,000 coins for 1 BTC with a circulating supply of billions of coins. Naturally, you start having dreams of how much of a millionaire it would turn you into with the little coins you'll invest in. Unfortunately, you may just not be turning into the millionaire you think soon as you're bound to hold on the coin for decades.

Correct valuation of any ICO entirely depends on the budget a platform is operating on for the product to become successful, as well as how much demand the exchange of the coin can generate. The positivity of the news coming from the company either positively or negatively affect the generation of demand.

Talium has a type of circulating supply that creates a high level of demand. Because the supply level is relatively low just like Bitcoin, it is expected to maintain a good level of longevity and returns over the years to come. Talium coins have a low total supply of 3.2 million TLM. However, the low coin supply promises a stable and increased price value for potential investors and token holders.

Exchanges

Talium coins were officially launched on the 2nd of April 2018 and had been made available for trade on the CryptoBridge decentralized exchange (under the ticker TLM) where it can be exchanged for bitcoins (BTC). For now, CryptoBridge is the only exchange the coins are tradable on.

Generally, CryptoBridge is a decentralized exchange that is a trade feature of most popular altcoins. The central innovation is the removal of a single failure point when cryptocurrencies are traded. The unique selling point that integrating this exchange brings to Talium is its usage of a multi-signature federated gateway software that has been tested and trusted by several gateways.

The exchange medium operates on multiple continents, allowing trust-reduced issuing and the supported coins withdrawal. The use of this exchange medium also reduces performance problems such as thefts, manipulation, hacking incidents, and government takedowns.

Users of Talium will be able to trade coin continuously, whether or not CryptoBridge eventually goes out of business.

Block Time

The block time generally is the average mining time. It generally refers to the measure of how long it will take for the networks hashing power to generate a solution to the block hash. In reality, block time varies, depending on the cryptocurrency. The difficulty of the block time is calculated proportionate to the hashing power of the blockchain.

The general Block time for Bitcoin mining is 10 minutes, while it is just between 70 - 80 seconds to mine Talium coin.

Simply put, Block time is the time it takes for the network to generate an extra block or the time it takes to change from one block form to another.

A block is basically a series of transactions compiled together.

Miners are always making guesses, numbering up to trillions per second, always trying to find the right nuance value that will be best for the block.

The window is calculated at an average rate, as no one can exactly say how much time it will take for different blocks to mine their likes. A block time is the average time it takes to mine a block. The network sets the difficulty level for each block and by extension, the block time. In Talium, the expected block time is set at 80 seconds.

Mobile Wallet

Millions of people are beginning to learn the use of cryptocurrency wallets. How does it work? Unlike the more traditional 'pocket' wallets, digital wallets do not physically store cash. In fact, cryptocurrencies are never even physical and are not stored in any single location. The only tangible aspect of it is the record of transactions stored on the blockchain.

Generally, cryptocurrency wallets are software programs where public and private interfaces are stored with various blockchains so that users can have flexibility in monitoring their balance, sending money and making other operational transactions.

When a person agrees to transfer coins, his wallet gets deducted by the amount of coins, and the person you're transferring to has his own wallet increased by the same amount. In essence, the sender is signing off ownership to the receiver. The transaction is merely signified by a record that is shown on the blockchain and a change to your cryptocurrency wallet.

More specifically, with Talium, you don't need to download the complete blockchain. With the simple app on your mobile phone, you can use it anywhere on the go. It is even more interesting because you can protect your Talium wallet with a pin code or fingerprint. When a phone gets lost or broken, you can recover your Talium wallet balance at any time by simply just using the seed word you used during registration.

Extended Masternode Statistics and ROI overview

Did you ever think about making some extra money with running masternodes? Did you know that many profitable coins are not even listed on the well-known masternode sites? Talium will bring you up-to-date extended masternode statistics - with an affordable listing

fee payable in TLM coins which also shows the developers of very new coins listing their projects.

Potential coin investors can monitor the progress of the coins they purchase and compare it to other masternode coin offerings. Basically, most of the masternode coins are an opportunity of both yield and a huge potential for capital gains. The MN statistics offered by the platform allows for the operation of many new and emerging cryptocurrencies.

Talium will generate yield in cryptocurrencies. Hosting a Talium MN will generate TLM coins, just like Dash will generate Dash. The yield may primarily vary, as each coin may vary in their payout periods. Investors usually continue to check the investment returns on the statistics for up to 5 times daily, so that they can maintain leverage on the best investment time and coin that will yield the highest return.

Basically, the system taps into the power, creativity and competitive nature of the crowd. People are always in a competition to get the best proposal that will improve the underlying cryptocurrency. The rising popularity of the Bitcoin and altcoins in general allows for more investors who want to invest on the coins.

The MN statistics offered by Talium are quite similar to other masternodes statistic websites but with detailed calculations about profits and gains. The major advantage of investing in Talium coin is that developers pay for the listing at the Talium Masternode Statistics in TLM coins, not like others that charge in BTC. And it is exactly this fact, which by virtue of Talium's low supply will lead to an increased demand for the Coin and push up the value of TLM coins.

Atomic Swap Technology

By now, you're itching to know what this represents and how it could be integrated as a feature of Talium.

In the simplest terms, Atomic swap is a cryptographically powered smart contract technology that works in a unique way to enable two parties to exchange different digital currencies or tokens, without presenting the risk of one of the parties defaulting.

The real beauty if this comes from the fact that the exchange between the parties involved can happen without dependence on an escrow manager or a third party, since there is no risk of either party defaulting.

More simply put, it is extremely difficult and near impossible even for one party to run off with the money of another party without keeping his/her part of the terms. This is

guaranteed by the presence of smart contracts of atomic swaps that are cryptographically powered.

So basically, during a deal powered by atomic swap technology, the traders either complete the exchange of coins, or no deal will happen at all. These deals are also often called cross chain atomic swaps, making it possible for two different cryptocurrencies present on different chains to be transferable through an automatic process without involving any third party.

As the blockchains are not compatible with each other, this technology is still at the development stage and is a vision for the future. But sooner or later, the time will come when real Atomic Swaps between existing blockchains will be a reality. We are watching this technology with close attention and will adjust our Talium Blockchain accordingly.

Escrow Service for Safe and Cheap Trading

The Escrow service that's offered by Talium is not only cheap, but makes it a safe platform for trading, especially when you are trading coins that are not yet listed on exchanges.

An escrow is a concept that represents a legal process where financial instruments or assets are held by another third party aside from the people involved before the completion of the transaction. This simply means that when you make use of a platform that supports escrow, a third party acts as a guarantor. The funds or coins are held by the third party that's the escrow agent who has a duty to control the whole process and ensure that the commitments are fully fulfilled. The major advantage that this brings to the cryptocurrency market, is that it limits the use of resources by one party without the agreement of the other parties.

During the trade of cryptocurrency under Talium, its automatic escrow system allows the capability to trade on relatively new cryptocurrencies, without facing the risk of being cheated.

When you start out with the trade, you'll send your coins to the escrow address and give a unique code that you generated to your partners, using the smart contract mechanism. On part of your partners, they will use the code to receive their personalized escrow address - if all pays come through, it will just be swapped and sent out to all parties.

Thereby, the initiator of the Swap can decide to go public or private. By a private Swap only the Swap ID is given to the trading partner who will fulfill the deal. Should the Swap initiator decide to make a public deal, then the trade will appear in the Talium network and anyone can complete the deal. Naturally, the public link to the Swap deal can be

passed on to third parties, or appear in internet forums, news groups, Discord or other social media. In addition, not only can single coins be swapped, but coin packets as well.

Possible use cases in general

With lots of millionaires appearing since the integration of blockchain technology into everyday payment options, the world is already being taken by storm with the continuous revelations of its full potential.

Since people are beginning to develop doubts over the uncertain future of some popular cryptocurrencies, Talium seems to be a ready option to bridge the gap between the current popularity of cryptocurrencies and the uncertain future they possess. The numerous features of Talium coin is gradually making it an irreplaceable option, especially as regards the changes of how things work in the everyday life. Here are a few practical cases, where the use of Talium is turning the mode of payment and service delivery around quickly.

Real Estate and Properties

While some may have transferred the fear born by the inconsistent speculations and uncertain future of a few other cryptocurrencies into Talium, others are seeing the long term opportunities that the platform presents, especially as a long term investment driver in the real estate and property Industry.

Those who have joined the band wagon so early have begun to reap multiple benefits already in a sector that's not only growing rapidly every day, but has been predicted to have a potential that will rock the world of long-term investments in the near future.

Of course, only time will reveal if the use of Talium coin in real estate is sustainable enough to keep generating the same level of profit over the next few years, but one fact is for sure - its present profit level is enough reason why it should not be overlooked if you have an intention to make a solid statement in the property industry.

An Anonymous Form of Payment

With the market continuously searching for an anonymous form of payment that will rival Bitcoin or at least complement it as an anonymous form of payment, Talium seems to be effortlessly stepping into its shoes. Although there have surely been many attempts by other payment platforms, none has matched what Bitcoin offers or what Talium is promising in terms of anonymity.

Talium promises more than a pinch of anonymity, traceability and security for every transaction, irrespective of the user's location.

The fact that Talium is anonymous is in fact a major hallmark of the coin, since it has since remained one of the biggest benefits that cryptocurrency offers as a whole.

Service Trading

Earning some more tokens from trading very simple services can never be a bad idea. With the launch of Talium, users have been accorded a chance to earn tokens of their own during the process of providing services or simply assisting people that need assistance. The tokenized platform offers users with an opportunity to share different knowledge and experience with a variety of individuals or organizations that need it. These individuals or organizations in turn pay back in the form of tokens itself. This fact means that people do not only work from the cozy comfort of their home, but that they earn tokens which can be used to trade for valuables in the long run.

Self-Financing

For those who may not know what self-financing means, it is illustrated below;

A group of people sometimes may come together, with a purpose of contributing money equally, so that it all goes into the same pot. Depending on agreement, one member collects the pot either weekly or monthly. Each member can only get the pot once. This happens for everyone over a predefined period of time, and everyone wins eventually.

This type of financing is popular in underdeveloped countries, and it basically empowers women, giving them a greater level of control over their own finances. The problem is that this kind of financing is mostly operated in banks, and most third world countries often do not have many banks. Even when they have, these banks collect huge interest rates for acting as intermediaries.

Talium cryptocurrency can solve this problem. The developers of the coin have developed a kind of smart contract platform that can keep interest between a group of people. Every piece of information will be accessible by everyone with an internet connection.

Concealing of Real Asset Value

Just like in Bitcoin, a person's Talium wallet is not attached directly to them. This creates a huge possibility to use the platform to remove funds from a person's net worth without having the person lose control of the fund in an actual sense.

Over time, people have been doing this, possibly in a bid to hide their net worth from a business partner, spouse or work boss. Instead of the popular (but awkward) practice of asking for a pre-mutual agreement, some people just opt instead for this strategy, hiding a large portion of their true assets by having them stored as Talium coins.

People also employ this method, especially to hide parts of their assets during other threatening circumstances in which a person's net worth is either being questioned or under the scrutiny of regulatory authorities.

Holidaying

This is where it gets interesting, isn't it? Instead of paying for holiday with cash, ever thought of an ability to do it by just a simple Bitcoin transfer?

Tying up with Coinbase, some travel booking sites guarantees the payment for your flight and accommodation with the use of crypto-coins. Your transaction with these travel booking firms will cover everything needed for your holiday, including: accommodation and transport as well as all other vacation packages like car rentals and sight-seeing costs.

What this offers is ease and convenience in doing business. With the prediction of the success rate this will bring in time to come, there is no doubting that the world of tourism and holidaying will, in the near future, experience a major positive shakeup.

Retail Therapy

Overstock is an online retailer that accepts payment in almost all major cryptocurrencies. It uses shapeshift as a tool to convert the different cryptocurrencies into Bitcoin. With online sale of a vast array of products Overstock is poised to meet almost every one of your needs. When your investment begins to pay off, of course you'll start to think of how to use some of your cryptocurrency profits to get some basic essentials. When that time comes, it really should not be difficult especially since Talium now allows retail as one of its potential uses.

Newegg is another online retailer that accepts the use of cryptocurrencies for the purchase of tech gadgets.

Microsoft is another platform that is beginning to accept cryptocurrency as a means for payment. Although they are yet to inculcate the use of cryptocurrencies into the purchase of all products, it is used to purchase games, applications and films in the windows store.

Conclusion and Why you should invest in Talium

Talium coin is a new cryptocurrency with all the potentials to be successful in the cryptocurrency market. First off, the coin is a Proof of Work, Proof of Stake and Masternodes compatible coin, giving users a variety of options to boost their regular earnings. Additionally, PoS and Masternodes operators are rewarded with 2 TLM (1.5 TLM for masternode holders and 0.5 TLM for PoS) for every verified block while PoW miners are rewarded based on the blocks validated. With a high Return on investment (ROI), an investment in Talium coin is a potentially profitable one. The low total supply and all the features Talium offers will lead to increased demand which will subsequently cause an increase in the price of the coins, to the benefit of all TLM holders. Also, the Masternodes operates a treasury fund which guarantees the success of the crypto project in the long run. Overall, Talium is poised with features like Masternode statistics, Mobile Payments, Atomic Swap, Automatic Escrow packages to take over an already over-packed industry, and if speculations are to be gone by, then this coin will rock the crypto-world sooner than followers are expecting.