



RRCoin WHITEPAPER

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Índice

Índice	2
Introduction	3
ЯRCoin	4
¿What is ЯRCoin?	4
Community	5
Block Chains	5
Encryption of the Electronic Wallet (E-Wallet)	5
Operations	6
ЯRCoin Usage	6
ЯRC Mining	7
Mining concept	7
Proof of Work - PoW	7
Proof of Stake - PoS	7
Proof of Importance - Pol	7
PeW calculation	8
Worker	8
ЯRC Trading & Exchange	10
Autonomous bots	10
Exchange	10
Global Expansion Strategy	11
Marketing	11
Expansion through Strategic Alliances	11
Foundation	11

Introduction

Nowadays, it is very common that a big percentage of the world population use or show some interest in cryptocurrencies or digital currencies, since many people find on them the opportunity to escape from regular coins that everyday have less scope and value.

Many countries have presented strong economic problems during periods of commercial and economic interruption caused by COVID 19, this added to the territorial instability of many of them, that existed even before the pandemic, have brought as a consequence a fading of the purchasing power of local currencies and with it a significant loss of most people's savings, leaving a huge part of the population on a situation where everyday they are being able to buy less and less with the same amounts of printed coins.

Almost all business sectors have also been affected by the monetary instability of the countries where they reside, being a serious problem having accounts receivable with printed local currencies that are worth less and less, and accounts payable with foreign currencies that are every time harder to reach.

Electronic commerce technologies are not the exception to this rule, most pages rate their charges in values equivalent to the dollar, euro or any other strong currency, making the purchases of many on the Internet something practically unattainable.

These challenges faced by the majority of people in the world have inspired us to generate solutions from blockchain technologies. Although there are many powerful regimes that are prevalent in cryptocurrency trading, most of them, essentially the most popular ones, are largely affected by the speculation and market gambling of influencers around the world.

ЯRCoin

¿What is ЯRCoin?

ЯRCoin (ЯRC) It is a point-to-point virtual currency that allows instant and almost zero-cost payments to anywhere in the world. ЯRCoin (ЯRC) is a global payments network, aimed in the first phase at gated communities. The ЯRC code is kept private and operates on its own global network of servers in more than 17 countries in a first phase, a decision based on the global instability of most cryptocurrencies and the speculation that exists about them by private entities and public figures , putting their integrity at risk.

ЯRC provides faster transaction confirmation times than any currency that has been registered to date and improved storage efficiency guaranteed by its mathematical algorithms.

With substantial user support around the world, transaction volume and liquidity, ЯRC is a proven trading medium complementary to other virtual currencies. "For the first time a coin that does not base its endorsements on the abstract form of many to describe air."

The ЯRC is supported by the actual operations carried out by users on the RRENOVA network. Every time users make transactions, they are backed by ЯRC tokens, which pass to a blockchain to be verified by miners.

All capital inflow operations generate new tokens that enter the blockchain, and once verified they enter the ЯRC chain. The rewards are real because they come from real capital entered, where a percentage (%) is dedicated to the payment of the confirmations.

When a user runs an exit operation, supporting capital disappears from the currency's backing, causing the currency's exchange values to decrease.



Community

ЯRC's growth and support strategy is based on alliances with large international communities that are looking for new transactional and payment alternatives, all this outside the standards that today manipulate the global crypto or non-crypto economy.

The first of these alliances, with indeterminate exclusivity, has been made with the United States-based corporation, RRENOVA INTERNATIONAL, which has taken the use of the ЯRC to more than 40 countries and more than 20 thousand users in less than 6 months.

Block Chains

The ЯRC blockchain is capable of handling a higher volume of transactions than its Bitcoin counterpart. Because block generation occurs more frequently, the network supports more transactions without the need to modify the software in the future.

As a result, users get confirmations faster, and at the same time have the ability to expect more confirmations when making high value transactions.

Operations are grouped into blocks encrypted with SHA-384, an algorithm less prone to collisions and dictionary attacks.

Encryption of the Electronic Wallet (E-Wallet)

The encryption of the electronic wallet allows you to secure the private keys in the wallet, so that you can see the transactions and your account balance, but the password and second security factor are requested before using your ЯRCs. This is useful not only as protection against viruses and Trojans, but also as a security check before sending a payment.



Operations

In all operations with ЯRC users contribute with a percentage of the total value of the transaction, this cost is called margin and is directly linked to the concepts of mining and confirmations.

ЯRCoin Usage

Everything can be achieved in this digital age, all you need is to have a smartphone and an efficient internet connection. ЯRCoin (ЯRC) coins provide you with key opportunities that will increase as you grow over time, some of the main uses today are:

1. ЯRC exchange services as virtual currency for one or more fiat currencies.
2. ЯRC exchange services as virtual currency for one or more virtual currencies.
3. ЯRC wallet service as virtual currency.
4. Collaborative mining virtual platform services in the cloud, using link channels through Mobile Apps.
5. Hash power purchase services for virtual mining platforms.
6. ЯRC Exchange Services: P2P, P2B, B2P, B2B.
7. ЯRC manual or automated buying and selling services based on margins (Trading).
8. Physical and virtual point of payment services with ЯRC.
9. Cryptocurrency acquisition services and held lock in a wallet. (Staking)
10. HODL (Hold on for dear life) services.



ЯRC Mining

Mining concept

ЯRC transactions, balances and issues are managed by a P2P network through script, and its scheme is a hybrid of proof of work (PoW), proof of stake (PoS) and proof of importance (Pol).

Similar to how it works in other mining networks, the ЯRC network is peer-to-peer based on up-to-date and secure blockchain technology. The peers that participate in the competition to verify the hashes of the transactions that are being processed, equally receive all the blocks of the existing chain, each block containing different operations to verify.

The concept of mining is based on competing to verify operations, where the virtual device that finishes verifying first is the one that takes the reward from mining at the price that is currently within the network.

Proof of Work - PoW

The proof-of-work scheme is an algorithm that rewards participants who solve cryptographic puzzles to validate transactions and create new blocks.

Proof of Stake - PoS

The proof-of-stake scheme is a type of consensus algorithm that relies on the financial stake of a validator on the network.

Proof of Importance - Pol

The Proof of Importance scheme prioritizes miners with the best reputation in the system, and reputation is measured by the amount of money invested, the number of transactions performed, and the amount transferred in those transactions.





PeW calculation

The PeW is the sum of the power (PoS), energy (PoI) and work (PoW) acquired by a miner. The higher the PeW, the greater the processing capacities, allowing it to support more queued tasks and complete them at a higher speed.

Worker

On the concept of mining, the concept of Worker is introduced, the Worker is a virtualized hardware device located in one of the global nodes of the ЯRC network, which becomes one of the peers that will receive a replica of the blockchain to verify.

By default, each user of the networks in alliance has access to a Level 1 Worker or AW (Adaptive Worker), a virtualized instance with basic hardware characteristics, which receives the replica of the chain to verify operations. Adaptive workers have less capacity to admit queued tasks, due to power consumption issues, which are assigned free of charge to the network.

Users of the ЯRC network can acquire higher level Workers, these are called Worker Premium (WP). As they are paid, WPs support greater capacity for queued tasks and greater processing capacity, which helps compensate for the energy consumption of the mining servers.

All operational workers have hardware characteristics such as a virtualized instance that uses shared hardware within high-powered servers. As your Worker improves, processing capabilities also improve, being able to support more queued tasks and higher speed. WPs have fixed hardware characteristics, with statically allocated processing power capabilities.

The more processing power the Worker has, the more likely it is to complete tasks. Not all Workers receive the same amount of operations to verify. The hashes are groups of tasks that are determined within the ЯRC network and that are assigned to Workers, doing a load balancing where not all Workers are at all times checking the



whole chain, this is typical of this implementation. Workers receive tasks and within these tasks are the groups of verifications to be carried out, not necessarily all Workers receive the complete chain, in this way the load is balanced and better reward rates and faster verifications are obtained.

The amount of tasks assigned to each worker is subject to the capacity of pending tasks to be assigned (tasks: groups of operations in the mining pool). Whenever operations are carried out with ЯRC (transfers, exchanges, etc.) operations hashes are generated to verify within the blockchain, which generates operations within the mining pool. When the workers are available, the mining pool decides how to group the pool of pending operations to be mined in tasks, to assign the workers groups of operations, to be verified in the form of tasks.

Another feature is that all Workers receive some reward, even if it is minimal, just for being operating, not only the one who completes the operation faster.

All Workers have a lifespan. Although a user can arbitrarily start or stop a Worker. These actions are limited to the total lifetime of the Worker. The Adaptive has a lifetime of 1 year from the date of activation of the Worker for the first time, and is subject to conditions to be started for the first time. Premium workers also have a defined expiration time. When a Worker expires, a reactivation operation must be carried out for a defined time. To acquire a new Worker it can be done from the ЯRC Mining APP in the store section. Once purchased at ЯRC this Worker is activated immediately.

Additionally, the Workers work in cycles, the adaptive is restarted every 24 hours, this is because when the hardware capacities are recalculated, a new instance is created with new Hardware characteristics, only the mining values are kept, and it is necessary to start the new instance again. In the case of premiums, as they have fixed Hardware characteristics, they should only be started for the first time.

One important detail to note is that Adaptive Workers need to manually collect mined values. Premium Workers collect automatically in real time.



ЯRC Trading & Exchange

Autonomous bots

Trading bots are autonomous entities that carry out automated and user-parameterized ЯRC buying and selling operations. A user with their trading bots operating and the mining App operating is transitioning and confirming transactions on both platforms, generating redundant income on their same operations, which generates greater profits.

Exchange

P2P, P2B, B2P and B2B exchanges allow market players to trade directly with each other, without the processing of all transactions by a trusted third party.

Regular cryptocurrency exchanges are businesses that act as intermediaries between their clients and earn a living by collecting fees. Alternatively, peer-to-peer exchange interactions between financial institutions are primarily regulated by pre-programmed software, without any prerequisites for human intermediaries.

There are a variety of advantages and significant improvements to the alternative strategy that ЯRC offers. Peer-to-peer cryptocurrency exchanges are generally vibrant manifestations of the philosophy of decentralization.

Depending on the value they choose, the exchange program is often used to seamlessly associate buyers and sellers with each other. They look for a reasonable offer in the order book each time someone else wants to buy ЯRC or, if none can be found, they create their own 'buy order', defining the terms of the offer as they wish. The exchange compares the buy and sell orders by price when necessary and manages the trades.





Global Expansion Strategy

Marketing

It is always the business strategy that defines the scope of the brand of a good product or service. The better the marketing campaign, the greater the depth of the product to market. The key purpose of the ЯRC marketing campaign is to make people aware of all the transactional benefits.

Expansion through Strategic Alliances

ЯRC's strategic alliances make possible to take advantage of synergies in complex internationalization projects, by joining forces, it is less costly to enter a new market.

ЯRC seeks partners who share the same values and level of commitment with all users, technical differences can be resolved, but having the same ethical principles is the key to a successful business marriage.

Foundation

ЯRC contributes to the Foundation Kids4Christ, promoted by the RRENOVA INTERNATIONAL company, the total production of more than 100 high-level premium miners, fully covered by ЯRC. If a user wants to buy a miner that produces for the foundation, he can buy the miner marked Kids4Christ. This production is used to buy medicines, food, nutritional supplements and others necessary for children in all corners of the world.

