Artificial Intelligence Transaction Token (AITT)

White Paper

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January 29, 2024

Abstract

In this article we discusses the significant challenge of the digital divide, where only 66% of the global population has internet access, highlighting broader issues of resource disparity. This article introduces the Artificial Intelligence Transaction Token (AITT) as a revolutionary initiative leveraging the synergies between blockchain and artificial intelligence (AI) to address this divide.

The AITT aims to democratize access to AI technologies, ensuring universal accessibility and benefiting humanity at large. We plan to create an ecosystem connecting AI resources through AITT's community, facilitating the purchase of AI services with blockchain-based tokens.

The AITT token is designed to expedite transactions and make AI services more accessible, promoting a culture where AI technology serves the greater good. Central to AITT is our EUC philosophy—Empower Blockchain, Unleash AI Potential, Create Brighter Life—reflecting a commitment to leveraging technology for a brighter, more equitable future. AITT stands as a crucial step towards overcoming resource inequality and making AI benefits universally accessible, underscoring the potential of blockchain and AI to serve humanity's best interests.

Background & Introduction

In an era increasingly defined by technological advancements, the imbalance in internet distribution starkly highlights the broader issue of resource accessibility, with just two-thirds of the global population connected to the web.

This digital divide not only impacts access to education, business, and social networks but also amplifies the inequality in the distribution of cutting-edge services, most notably those powered by artificial intelligence (AI).

The disparity in AI service accessibility is even more pronounced, as these resources require not just connectivity but also significant computational power and financial investment, making them less accessible to many around the world.

The Artificial Intelligence Transaction Token (AITT) emerges as a response to this challenge. Its mission is to democratize AI access, enabling more people to easily and affordably benefit from AI services. By leveraging blockchain technology, AITT aims to bridge this gap, ensuring

that the transformative power of AI is within reach of everyone, regardless of their geographical location or economic status.

The Artificial Intelligence Transaction Token (AITT)

• Symbol: AITT

• Genesis Information: “The Times 29/Jan/2024 Elon Musk says first human has received Neuralink brain implant.”

• Why this?

The Genesis Information marked a significant milestone in human-AI integration, suggesting a future of coexistence with AI as an integral part of human capability, beyond tools, agencies, or assistants. This vision underpins AITT’s genesis philosophy, striving to mitigate the inequality in AI access through blockchain’s transactional nature, making premier AI services such as ChatGPT, Sora, and others, more affordable and accessible.

• Genesis Coin: 5000 (non-movable)

• Total Supply: 10 billion, precision 8

• Block Time: 15 seconds

• Block Size: 4 MB

• Transaction Capacity: 500-1200 transactions, varying with transaction type

• Halving Cycle: 91 days

• Initial Reward: 5000 AITT per block

• Mining Period: 3 years

• Mining Algorithm: KAWPOW to resist ASIC

• Miner Reward: 53% of total supply

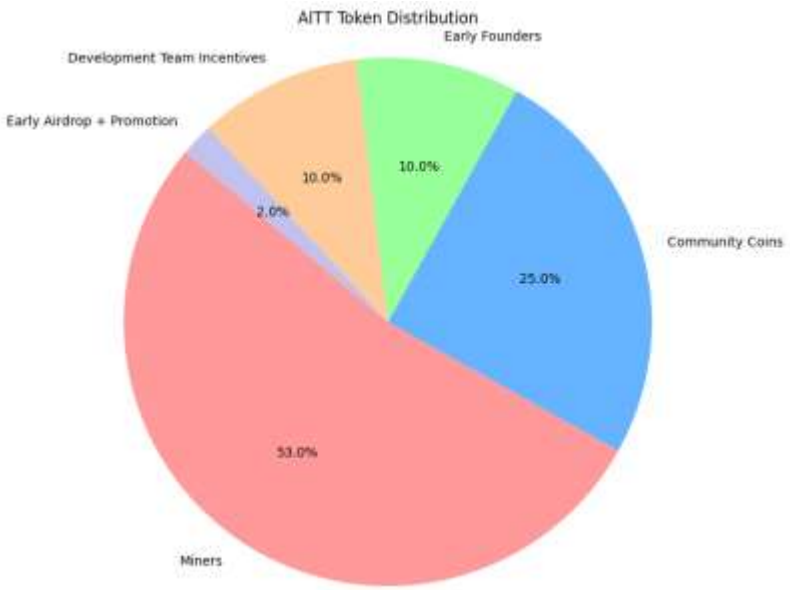
• Asset Supportivity: Native Assets without the need for coding

• IPFS Support: Yes, for asset hashes

• Asset Trading: Supported

The AITT Economic Model

AITT's economic model revolves around equitable community development and making AI technology accessible to more people:



Char of AITT Token Distribution

• Total Supply: 10 billion AITT

• Miners: 5.3 billion AITT (53%)

• Community Coins: 2.5 billion AITT (25%) to fund future GPU purchases for community reasoning services

• Early Founders: 1 billion AITT (10%)

• Development Team Incentives: 1 billion AITT (10%) for motivating teams to develop blockchain and new services

• Early Airdrop + Promotion: 200 million AITT (2%)

The AITT service platform will support a variety of services, including:

• AI services: AI services are the core asset type on the AITT platform. These services can be anything from simple APIs to complex AI models.

• AI resources: AI resources are assets that can be used to develop and deploy AI models. These resources can include datasets, algorithms, and models.

• AI development: The platform will provide a marketplace for AI services and resources, which will make it easier for developers to build and deploy AI models.

• AI deployment: The platform will provide a variety of tools and services that will make it easier for organizations to deploy AI models in production.

• AI education: The platform will provide a community forum where AI developers and users can connect and share knowledge.

• AI assets: The AITT platform will also support other types of assets, such as tokens and GenAI NFTs.

Asset Types and Use Cases

What is an AITT Asset?

An AITT asset represents more than just a digital token; it's a versatile tool for encoding, storing, and transferring bespoke information on the blockchain. These assets, distinguished by user-chosen names and optional metadata, can embody a wide range of real-world and digital properties—from digital art and real estate to security tokens and in-game currencies. The ability to create and manage these assets underpins the decentralized, user-driven ethos of AITT, empowering users to innovate and transact on their terms.

Trading AITT Assets

Trading and exchanging AITT assets are seamless, as a fork of Bitcoin and RVNCOIN, AITT leverages atomic swaps to ensure secure and decentralized trading. The openness and accessibility of AITT's trading ecosystem ensure that creators and investors can freely exchange assets, fostering a vibrant and dynamic marketplace.

Privacy and Access

In the realm of digital assets, privacy and access control are paramount. AITT addresses these concerns by offering mechanisms for encrypting asset data, ensuring that sensitive information remains accessible only to intended recipients. This level of control and security reassures users that their digital assets and associated data maintain both integrity and confidentiality on the blockchain.

Creating AITT Assets

Creating an AITT asset is a straightforward process, guided by a user's vision and the asset's intended purpose. Whether it's a main asset akin to a domain name, a sub-asset representing a specific category, or a unique asset for one-of-a-kind items, AITT provides the framework for

bringing these digital assets to life. The process emphasizes uniqueness in asset naming, divisibility, and reissuability, allowing creators to tailor assets to their precise requirements.

Advanced Features and Asset Types

AITT's asset ecosystem is rich and varied, encompassing:

Main Assets

Feature	Description
Asset Name	3-30 capital letters, allowing '.' and '_', but not at the beginning or end. Reserved names include AITT, and AITTCOIN.
Ownership Asset	Main assets have an associated ownership asset.
Prerequisites	None.
Asset Amount	1 – 21,000,000,000 can be created.
Cost	50 AITT.
Reissuability	Can be set to be reissued.
Divisibility	Can be set from 0-8.
Associated Data	Can have associated data.
Use Case	Acts like domain names, providing a unique identifier for projects or organizations and serving as the foundation for creating sub-assets and unique assets.

Sub-Assets

Feature	Description
Asset Name	Must follow specific naming rules, including a sub-portion of at least 1 capital letter.
Ownership Asset	Sub-assets have an associated ownership asset.
Prerequisites	A main asset's ownership asset.
Asset Amount	1 – 21,000,000,000 can be created.
Cost	50 AITT.
Reissuability	Can be set to be reissued.
Divisibility	Can be set from 0-8.
Associated Data	Can have associated data.
Use Case	Like subpages or categories under a main asset, suitable for further subdivision of assets under a main asset, such as specific product lines or service categories.

Unique Assets

Feature	Description
Asset Name	Must include a unique portion of at least 1 character.
Ownership Asset	Unique assets have no associated ownership asset.
Prerequisites	A main asset or sub-asset's ownership asset.
Asset Amount	Only 1 of this asset can be created.
Cost	1 AITT.
Reissuability	Cannot be reissued.
Divisibility	Is 0.
Associated Data	Can have associated data.
Use Case	Represents a one-of-a-kind asset, such as numbered collectibles, certificates, or any item requiring unique identification. Suitable for tracking and verifying the ownership of individual items.

Qualifier Assets

Feature	Description
Asset Name	Follows main asset naming rules.
Ownership Asset	Qualifier assets have no associated ownership asset.
Prerequisites	None.
Asset Amount	1 – 10 can be created.
Cost	500 AITT.
Reissuability	Cannot be reissued.
Divisibility	Is 0.
Associated Data	Can have associated data, but cannot be changed in the future.
Use Case	Used to manage and control access to specific assets, qualifying which addresses can receive or hold restricted assets by tagging addresses with specific labels.

Restricted Assets

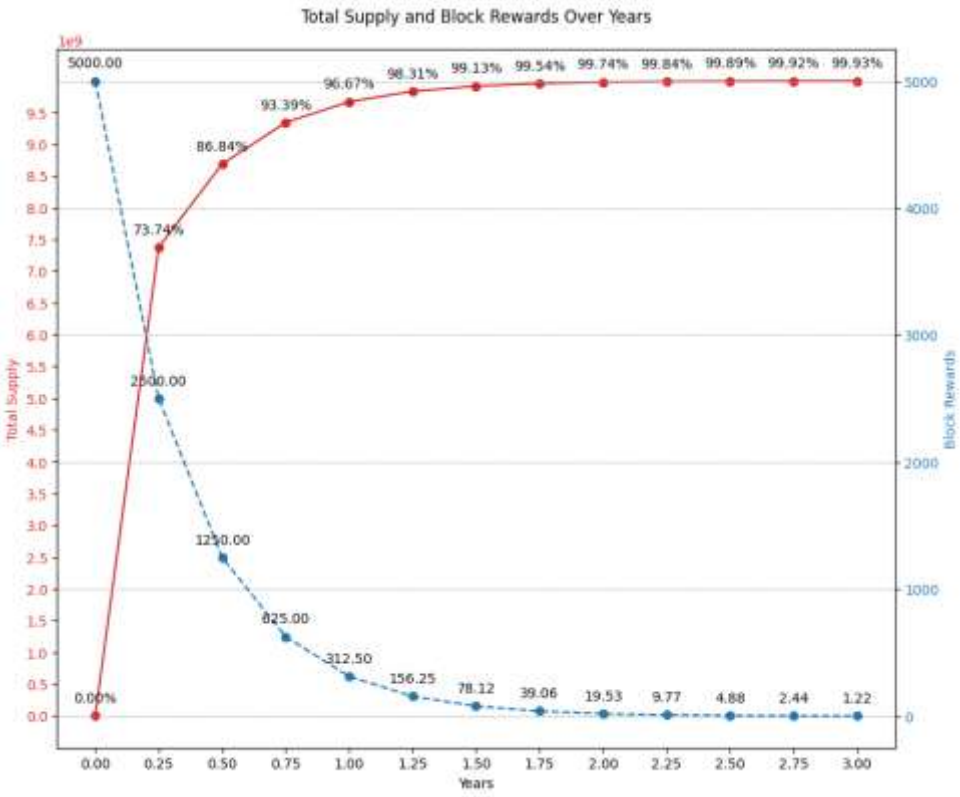
Feature	Description
Asset Name	Follows main asset naming rules.
Ownership Asset	Restricted assets have an associated ownership asset.
Prerequisites	A qualifier.
Asset Amount	1 – 21,000,000,000 can be created.
Cost	500 AITT.
Reissuability	Can be reissued.
Divisibility (Units)	Can be 0 – 8.
Associated Data	Can have associated data.
Use Case	Allows creators to have stricter control over the circulation and access of assets. Suitable for assets that need to comply with specific regulations or internal policies, such as securities or assets requiring identity verification.

Each asset type serves distinct roles, from establishing brand identity to enabling complex organizational structures within the AITT ecosystem.
On-Chain Encodings and Transactions

AITT assets live on the blockchain, with their properties and transactions encoded in a transparent, immutable manner. This includes details about asset creation, reissuance, transfers, and the innovative use of burn addresses to manage asset lifecycle events. The AITT blockchain's design ensures that all asset-related activities are secure, verifiable, and in alignment with the network's decentralized principle.

Mining

Employing KAWPOW, an ASIC-resistant algorithm, ensures a fair mining environment. The choice of KAWPOW, with its yearly growth in 2.27GB DAG, prevents ASIC miners from dominating, ensuring that gaming GPUs remain competitive.



Chat of AITT Emission Schedule

Official Mining Pool : https://pool.aittcoin.org/stats/aittcoin

Proof of Voluntary Work

Proof of Voluntary Work (PoVW) is a mining mode based on voluntary working, and miners will receive a small amount of token rewards.

This mode aims to encourage more people to participate in the construction and maintenance of the AITT ecosystem.

After 3 years, AITT plans to transition to a (POVW) system, encouraging community-driven,

volunteer mining efforts. This approach highlights the community's altruism, promoting a culture of goodwill and

potentially mitigating 51% attacks through moral and KYC-verified volunteer nodes.

Roadmap

The roadmap for the Artificial Intelligence Transaction Token (AITT) project is meticulously designed to pioneer the integration of blockchain and artificial intelligence (AI) technologies, marking significant milestones in the endeavor to democratize AI access. Here is our timeline:

• January 2024: AITT Initiative Launch – The project kicks off with the genesis of AITT on January 29, 2024, inspired by the landmark event reported by The Times on the same day: Elon Musk's announcement of the first human receiving a Neuralink brain implant.

• February 14, 2024: Regression Testing and Testnet Activation – Completing rigorous regression tests, the AITT test network is launched, paving the way for thorough testing and validation of the blockchain infrastructure.

• March 1, 2024: Mainnet Goes Live – AITT's main network officially becomes operational, marking a pivotal moment in the project's deployment.

• April – June 2024: Community Engagement and GenAI API Integration – The AITT community begins to actively integrate mainstream GenAI APIs, offering users transactional services for AI APIs, thereby enhancing the ecosystem's utility and reach.

• August – December 2024: Launch of the AITT Trading Platform – Development and subsequent launch of the AITT trading platform are achieved, enabling users to deploy their inference services locally and trade their APIs on the AITT marketplace.

• January – July 2025: Community Public Welfare Compute Power Initiative – The project commits to deploying at least 200 GPUs, each with a minimum of 12G of VRAM, to provide the community with public welfare LLM model inference services, reinforcing its commitment to social responsibility.

• August – December 2026: Expansion of Public Welfare Services – Pending the successful growth of the AITT community, the project plans to extend public welfare services, including Llama and stable diffusion series, to all early AITT users, further democratizing access to advanced AI resources.

• January – July 2027: Augmentation of GPU Inventory and Inference Nodes – AITT aims to acquire additional GPUs and deploy more open-source model inference nodes, significantly enhancing the project's computational capabilities.

• July – December 2027: Broader Access to Public Welfare Open-Source Models – The latter half of the year will see AITT opening up an even wider array of public welfare open-source model services, broadening the project's impact and utility.

• 2028: Transition to POVW – AITT plans to transition to Proof of Voluntary Work (POVW) and accelerate block production times, embodying a visionary approach to blockchain consensus that emphasizes community involvement and ethical participation.

Acknowledgements

The AITT project is a fork of Bitcoin and Ravencoin, thanks to their contributions to blockchain technology.

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