By PixelChain.Games

The Web3 Gaming Ecosystem of the Future, on the Flare Network.

White Paper
v1.34

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1. Synopsis

PiCO is a blockchain-powered gaming ecosystem designed to transform digital economies by seamlessly integrating decentralized finance (DeFi) with gaming.

Developed on the scalable and decentralized Flare Network, PiCO grants players genuine ownership and full control over their digital assets, setting new standards for transparency, security, and user autonomy.

Within the PiCO gaming ecosystem (“PiCO-system”), players can earn, trade, and utilize PiCO Coin, PiCO Playing Cards, and other digital assets.

Featuring a fixed-supply token economic model ("PiCO-nomics"), robust reward distribution strategies, and rigorous compliance with regulatory standards, PiCO Coin effectively bridges traditional card deck-building gameplay with cutting-edge blockchain technology, offering an elevated gaming experience marked by innovation and integrity.

2. Problem Statement

Traditional video games often restrict player ownership and control of in-game currencies and assets. These assets are typically confined within a single game's ecosystem, preventing players from trading, selling, or transferring them outside the game. When players move on, their investments lose all real-world value.

Many "web3" games do little to address this problem, merely adding superficial blockchain elements like cosmetic NFTs. These NFTs often lack meaningful in-game functionality, failing to provide genuine ownership or real-world utility to players.

Any existing ‘true’ web3 games, have very high barriers to entry including expensive starting costs and the technical complexities of actually starting to play.

3. Blockchain Solution & Flare Network

PiCO solves these problems by being built on the Flare Network, a layer 1 EVM blockchain ecosystem designed to deliver true scalability and cross-chain functionality while maintaining security and decentralization.

The Flare Network's cutting-edge infrastructure enables PiCO to support a player-driven economy, fostering interoperability and seamless transactions across different ecosystems.

Key advantages of using Flare Network include:

- Scalability: The Flare Network can handle high transaction volumes, ensuring a smooth experience even as the player base grows.
- Cross-Chain Implementation: PiCO Coin can interact with other blockchain networks, enabling enhanced flexibility and use cases beyond the PiCO ecosystem.
- Decentralization: Flare's decentralized architecture ensures that players retain full ownership and control of their assets.
- Low latency: Blocks are settled within a couple of seconds
- Ultra low cost: Transactions usually cost a small fraction of a FLR.

4. PiCO Coin - Ecosystem Currency

PiCO Coin is the primary native cryptocurrency of the PiCO Gaming ecosystem, (PiCOVerse) designed to power an innovative and player-focused economy. It bridges the gap between gaming and blockchain, giving players the ability to earn, trade, and spend a digital currency with real-world value. Unlike traditional in-game currencies, PiCO Coin offers transparency, security, and true ownership through blockchain technology.

Technically speaking, PiCO Coin is an ERC20 token on the Flare Network Mainnet.

Main Utility use-cases for PiCO Coin:

Trading

Players can trade PiCO Coins with others, either as just the tokens or bundled with in-game digital assets like PiCO Play Cards. This facilitates a vibrant player-to-player marketplace.

Digital Asset Purchases

PiCO Coin serves as the primary currency for the PiCO card shop, as well as other shops where players can purchase card packs, exclusive cards, upgrades, and other assets to enhance their gameplay.

Betting

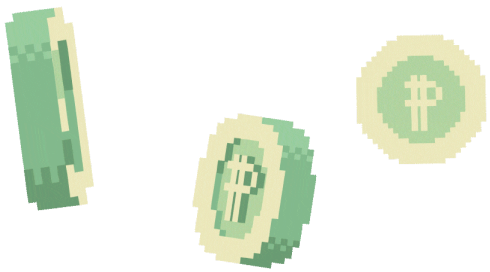
PiCO Coin is used as the bet amount in various game modes. Players put up an amount of PiCO to give games an additional sense of jeopardy and excitement.

Staking

Players can 'lock-up' or 'stake' amounts of PiCO Coins in order to secure and show confidence in the ecosystem. These Coins then effectively become 'out of circulation', driving up scarcity over time.

Player Incentives

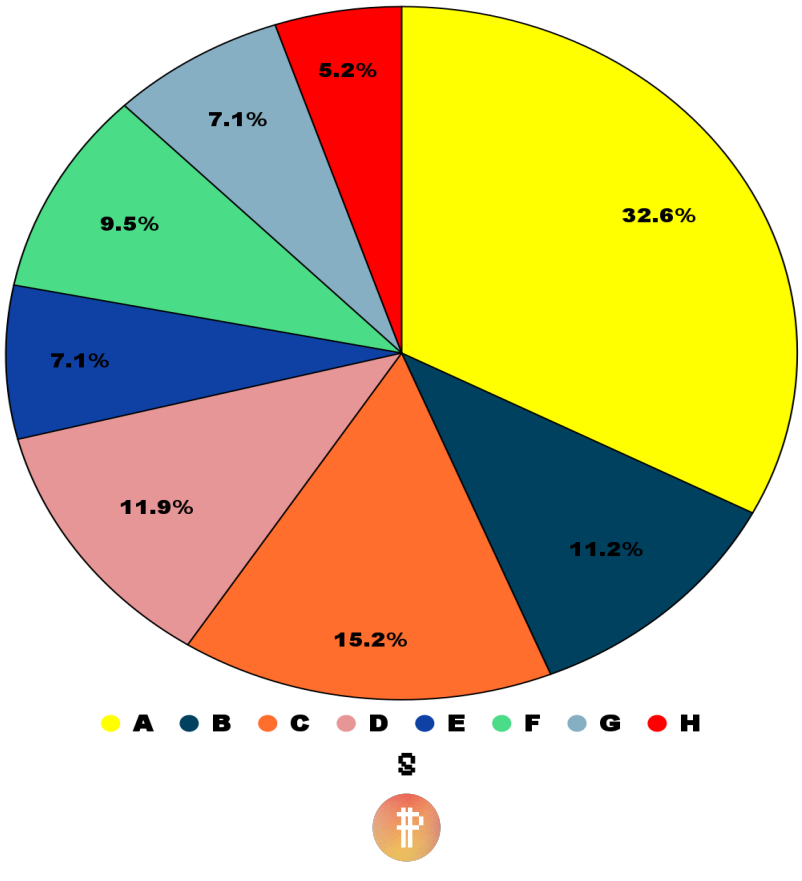
Almost all of the PiCO Coins spent inside the shops are redistributed into tournament and staking pools. Players then compete to win proportions of these pools..



5. Tokenomics Overview

The total supply of PiCO Coin is fixed at 21,000,000, ensuring scarcity and preserving its value over time. By capping the supply, PiCO Coin avoids unchecked inflation and promotes sustainable growth within the PiCO-System.
The allocation of all PiCO Coin is as follows:

A	Airdrop/Burn Migration for $FORT Holders (from Songbird)	6,850,000
B	Flare Oracle Delegators/Stakers	2,360,000
C	Liquidity Provision	3,200,000
D	Company Operations	2,500,000
E	Tournament/Staking Pool Funding	1,500,000
F	PiCOverse Prizes	2,000,000
G	PiCO Staking Rewards	1,500,000
H	PiCO Miscellaneous Treasury	1,090,000



6. Tokenomics Details

A. **Airdrop/Burn Migration for $FORT Holders (from Songbird)**

PiCO was battle-tested on Songbird for over a year, and the associated token $FORT was live for several years developing value and liquidity. Since it would no longer be used on Songbird, a 1:1 burn-to-mint airdrop was implemented.

This total amount was fixed at launch, and each address has an allocation, claimable at 2% per week, for a total vesting period of 50 weeks.

Contract is PicoVesting
https://flare-explorer.flare.network/address/0xb29671da3E14ca2a5A0221ee09FF91eCac74d2bc

B. **Flare Oracle Infrastructure Delegators/Stakers**

Players can earn PiCO Coins by interacting with the Flare Network's Oracle infrastructure, by staking or delegating their WFLR. Their amount of WFLR is then applied proportionally to the total being staked/delegated and a corresponding amount of PiCO Coins is made available for claiming.

The total amount will be distributed over 78 weeks from launch.

Contract is PicoRewardManager
https://flare-explorer.flare.network/address/0x2c634EEE2956AEE18179EC47649485E86B9836e9

C. **Liquidity Provision**

The amount which will be used to permanently lock PiCO Coin into DEX and CEX liquidity pools.

List of trading pairs is available via CoinGecko
https://www.coingecko.com/en/coins/pico-coin

D. **Company Operations**

This is used for ongoing operating costs of the project. This also includes the Founder's dividends, which will decrease as required to accommodate necessary expenses.

Contract is PicoCompany
https://flare-explorer.flare.network/address/0xa536d91Dc2fb9Bb71e3c779D93E8C662A9818D31

E. **Tournament/Staking Pool Funding**

On a weekly basis, an amount from this total will be used to bolster the tournament and staking pools which will be claimed by the players.
The plan is to gradually reduce the amount used, as the actual price and adoption increases, with an aim to make this last for approximately 10 years.

Contract is PicoPoolFunder
https://flare-explorer.flare.network/address/0x63E7e5cbe81AE1671cEeAD880757696045933Ba7

F. **PiCOverse Prizes**

This total will gradually be distributed over 10 years in the forms of:

- Loot boxes
- Daily Login Claims
- Participating in various challenges/tasks/quests
- Getting high scores in competitive arenas
- Betting prizes

G. **PiCO Staking Rewards**

There will be multiple mechanisms where it is required that a player 'Stake' an amount of PiCO Coins, in order to earn some every epoch.

This amount is also planned to be slowly distributed over 10 years.

H. **PiCO Miscellaneous Treasury**

This remainder will be reserved for unforeseen and miscellaneous expenditure.

7. Trading, Exchanges and Liquidity

Players can directly trade PiCO Coins within the PiCO-system, enabling seamless transactions for:

- Purchasing digital game assets (e.g. cards, skins, or power-ups).
- Participating in wagers for in-game mini-games or PvP tournaments.
- Gifting or directly exchanging PiCO Coins with other players.

Decentralized Exchange (DEX) Listings

PiCO Coin will be available on major decentralized exchanges within the Flare Network to ensure easy access for players and investors.

Liquidity pools will be established to support smooth and stable trading.

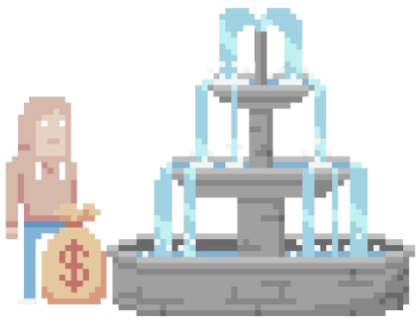
Centralized Exchange (CEX) Listings

Strategic listings on centralized exchanges will broaden the coin's accessibility and attract a wider audience.

Liquidity Management

A portion of initially minted PiCO Coin is permanently allocated to liquidity pools to ensure consistent trading volume and reduce market volatility.

Founders have committed 50% of their personal PiCO Coin holdings to liquidity on exchanges, further stabilizing the market and enhancing trader confidence.



8. Roadmap

Q1-Q4 2024

Flare Mainnet Launch

- Mint the total supply of 21,000,000 PiCO Coins and start vested distributions.
- Launch a full working game with NFT play cards.
- Start to promote the game to a wider audience.
- Implement Mutant Staking

Q2 2025

Adoption and Growth

- Secure listings on major decentralized and centralized exchanges.
- Launch PiCOverse (UE5), an immersive world that brings PiCO Play cards to life in glorious 3D.
- Expand PiCOverse with activities, challenges and games that bring much fun and prizes.
- Host large-scale in-game Tournaments/Events.

2026 and Beyond

Test Phase on Songbird Network

- Build an environment on the Canary Network for $FORT holders to test the game.
- Analyse tradable game assets and tokens for Mainnet Launch.
- Fix major exploits and bugs.

Q1 2025

Ecosystem Expansion

- Ensure deep liquidity.
- Introduce PiCO to communities outside Flare Network.
- Expand PiCO into a more accessible gamer-friendly environment using Unreal Engine 5, which will use integrated wallets to seamlessly integrate Web3 interactions.

Q3-Q4 2025

Long term goals

- Introduce cross-chain trading capabilities, leveraging the Flare Network's interoperability features.
- Expand the PiCO ecosystem with new games and applications
- Add more meme art and culture into the collectibles
- Whatever the PiCOmmunity decides!

9. Conclusion

PiCO is being positioned to play a pivotal role in the evolution of blockchain-based gaming ecosystems. By combining the security, transparency, and scalability of Flare Network, PiCO offers gamers, developers, and investors a unique opportunity to engage with a digital asset ecosystem that transcends traditional gaming economies.

With its fixed supply and innovative distribution, earning, staking, and reward mechanisms, PiCO Coin is designed to retain long-term value while providing gamers with real utility. PiCO Coin also addresses key challenges in gaming economies, including volatility, inflation, and lack of secure in-game currencies; making it an exciting and attractive project to get involved in for everyone in the gaming or blockchain spaces.

For Gamers:

Get involved in the PiCO ecosystem by playing, earning, trading, and staking PiCO Coin and Mutants. Enjoy the freedom to use your PiCO Coin across multiple games and participate in exciting tournaments and challenges.

For Traders and Investors:

Join the growing PiCOmmunity, trade PiCO Coin on supported exchanges, and explore opportunities to earn through staking and liquidity provision.

For Developers and Stakeholders:

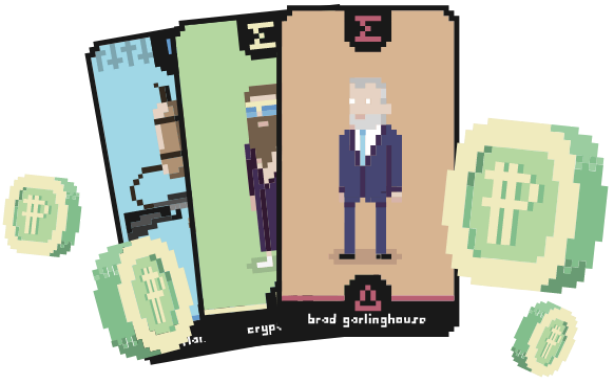
Contribute to the future of PiCO and Web3 gaming in general by integrating PiCO Coin into your games and projects. Join the ecosystem and leverage PiCO Coin's scalability, security, and cross-chain capabilities to build the next generation of blockchain-based gaming.

Any project built on the Flare Network is ready to integrate PiCO Coin.

Join PiCO today and help shape the next era of decentralized gaming!

10. Glossary

- PiCO Coin: The native in-game currency of the PiCO gaming ecosystem, used for transactions, staking, and rewards. ERC20 Token on Flare Network.
- Flare Network: A decentralized blockchain network that ensures scalability, security, and cross-chain compatibility for PiCO Coin.
- FLR: Native token of the Flare Network, used for transaction fees.
- WFLR: Wrapped Flare, a tokenized version of FLR that enables participation in Flare-based protocols like staking and collateralization.
- Staking: A mechanism by which users lock their PiCO Coin or FLR/WFLR tokens in exchange for rewards.
- DEX (Decentralized Exchange): A peer-to-peer platform where PiCO Coin can be traded directly between users, without a central authority.
- CEX(Centralized exchange): A single company acting as a crypto exchange.

11. Useful Links

- PiCO Community Discord: https://discord.gg/KZ5muPEhrX
- PiCO Main Dapp: https://pico.pixelchain.games/
- PixelChainGames Main site: https://pixelchain.games/
- Twitter/X Profile: https://x.com/PixelChainGames
- PiCO Coin on Coingecko: https://www.coingecko.com/en/coins/pico-coin