Pearl chain (PLC)

PEARLCHAIN

PLC

Whitepaper

Pearchain (PLC) means “pearl of the Orient” and gives a sense of truest.
PLC is a digital asset designed for open market circulation
within the global blockchain ecosystem.
Built on the Polygon network, PLC emphasizes transparency,
transferability, and compatibility across exchanges and digital
infrastructure, enabling efficient participation in the evolving digital
asset market.

PLC Whitepaper

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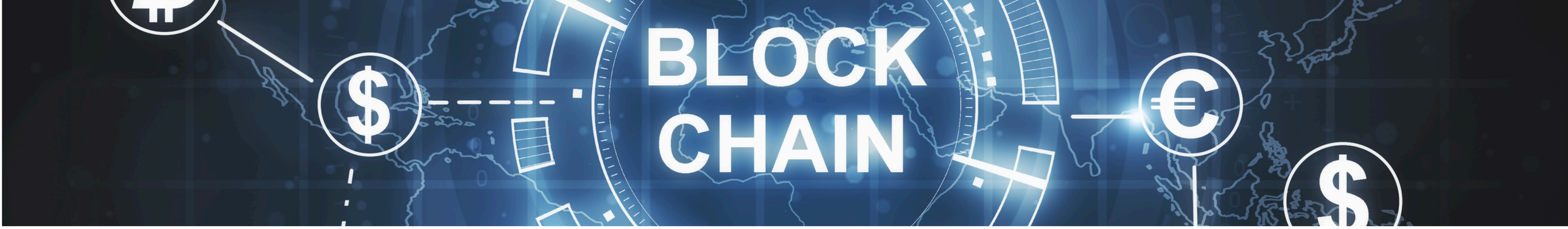
01.
Introduction to Plc

Pearl Chain (PLC) is a digital asset designed for open and efficient circulation within the global blockchain ecosystem.

Rather than operating as a service-dependent platform token, PLC focuses on transparency, transferability, and seamless compatibility across exchanges and digital infrastructure.

Built on the Polygon network, PLC leverages a stable and widely adopted blockchain environment to ensure accessibility, scalability, and efficient transaction processing. Its structure is intentionally simplified to support long-term usability without reliance on complex financial protocols or intermediary-controlled systems.

PLC aims to function as a flexible digital asset that can adapt to evolving market environments, enabling participants to engage in the digital asset economy through open market activity, secure ownership transfer, and interoperable blockchain integration.



02.

Project Vision and Mission

Vision

Plc aims to provide a structurally simple and accessible digital asset that can circulate freely across global blockchain markets. Its vision is to support transparent participation, efficient transfer of value, and long-term adaptability without reliance on proprietary platforms or complex financial mechanisms.

Mission

• Enable open and efficient market circulation through a standardized digital asset structure. • Maintain compatibility with global exchanges, wallets, and blockchain infrastructure to ensure accessibility and usability. • Provide a transparent and verifiable asset environment supported by on-chain validation. • Support scalable participation without dependence on intermediary-controlled financial systems. • Establish a sustainable digital asset model designed for long-term market integration rather than short-term protocol incentives.

03.

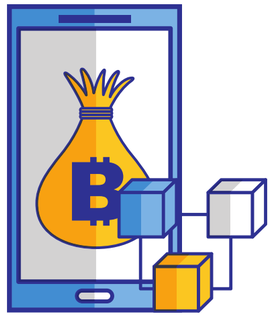
Technical Background

PLC is deployed on the Polygon network using a standardized token architecture designed for stability, compatibility, and efficient market circulation. The project adopts a simplified technical structure to ensure interoperability across exchanges, wallets, and blockchain infrastructure without reliance on complex application layers.

Standardized Token Architecture PLC utilizes an EVM-compatible implementation on the Polygon mainnet, ensuring seamless integration with widely adopted blockchain tools, custodial systems, and trading environments. Its structure prioritizes reliability, accessibility, and efficient transferability across supported platforms.

Polygon-Based Infrastructure By leveraging Polygon’s scalable network environment, PLC benefits from fast transaction processing, cost efficiency, and strong ecosystem compatibility. This infrastructure enables PLC to function as a transferable digital asset within global market environments while maintaining transparency through on-chain validation.

Asset Circulation Structure PLC is not dependent on proprietary applications or platformbased services. Instead, it is designed to function as an independent digital asset that can circulate freely across exchanges, custodial systems, and blockchain infrastructure. This approach ensures flexibility, interoperability, and long-term usability without requiring dedicated dApps or protocol-driven participation.



Transparency and Security Framework PLC operates within a blockchain-validated environment where all transactions and ownership records are transparently recorded onchain. This structure enables verifiable asset movement and ensures data integrity without dependence on intermediary-controlled financial systems. The design prioritizes simplicity and reliability, reducing unnecessary protocol layers while maintaining compatibility with widely used custody solutions, digital wallets, and exchange infrastructure. By avoiding complex application dependencies, PLC minimizes operational risk and enhances long-term accessibility across evolving blockchain environments. This streamlined approach allows PLC to function as a transferable digital asset supported by the security and consensus mechanisms of the underlying network, ensuring consistent usability and trust through decentralized verification.

Technical Sustainability Approach PLC maintains a stable and standardized technical model focused on long-term compatibility rather than continuous protocol expansion. Its development direction prioritizes reliability, infrastructure alignment, and adaptability to evolving blockchain environments

04.

Market Role of PLC

PLC is designed to function as a transferable digital asset within global blockchain markets, focusing on accessibility, interoperability, and efficient circulation rather than platform-based financial services. Its role is to support transparent value movement and participation across exchange and custody infrastructure without reliance on proprietary applicationlayer mechanisms.

1) Independent Asset Functionality

PLC operates as an independent digital asset that can be stored, transferred, and traded across supported blockchain environments. Its structure enables seamless interaction with exchange systems and wallet infrastructure without requiring application-layer services.

2) Compatibility Across Digital Infrastructure

Designed for interoperability, PLC maintains compatibility with widely adopted blockchain tools, custody providers, and trading platforms. This ensures accessibility and usability across different market environments while preserving a consistent technical framework.

3) Market-Oriented Value Participation

PLC emphasizes open market participation, allowing value to be established through transparent trading activity rather than protocol-driven incentives or locked utility structures.

4) Long-Term Structural Sustainability

By maintaining a simplified and standardized model, PLC supports long-term adaptability to evolving blockchain ecosystems without dependence on complex financial architectures or continuous feature expansion.

Strategic Role of PLC in the Digital Asset Market

Circulation	Designed for open and efficient transfer across global trading environments.
Compatibilit	Supports interoperability with exchanges, wallets, and custody infrastructure.
Transparenc	All transactions are verifiable through blockchain-based validation
Accessibility	Enables participation without reliance on proprietary platforms or application layers.
Stability	Maintains a simplified structure focused on long-term usability and market adaptability

Through this structure, PLC positions itself as a standardized digital asset designed for transparent circulation and interoperability within the global blockchain ecosystem, emphasizing reliability and accessibility over protocoldriven functionality.

05.

Market Integration Approach

PLC is designed to integrate seamlessly into the global digital asset environment by emphasizing interoperability, accessibility, and standardized circulation rather than asset tokenization or application-layer services. Its approach focuses on enabling efficient participation across trading platforms and blockchain infrastructure.

1.Standardized Circulation Model

PLC supports open transferability and market-driven utilization through a simplified asset structure that allows seamless movement across exchanges and custodial systems. This model eliminates dependency on closed ecosystems, enabling broader accessibility and reducing technical barriers for integration across diverse market environments.

2. Infrastructure Compatibility

By maintaining compatibility with widely adopted blockchain environments, PLC ensures usability across multiple platforms without requiring specialized integrations or proprietary frameworks. This compatibility strengthens operational consistency and allows ORIX to function within established digital asset infrastructure without introducing unnecessary complexity.

3. Market Accessibility

PLC enables participants to engage with the digital asset market through transparent trading activity, supported by standardized infrastructure rather than application-specific functionality. Its design allows users, custodians, and exchanges to interact with PLC using familiar tools and processes already present in the blockchain ecosystem.

4. Global Transfer Efficiency

The structure of PLC allows efficient cross-platform transfer and settlement, ensuring accessibility within global blockchain markets while maintaining a consistent technical foundation. This efficiency supports liquidity movement and participation across geographically diverse trading environments.

5. Long-Term Integration Philosophy

PLC prioritizes sustainability through a stable and adaptable model designed to remain compatible with evolving blockchain ecosystems. Rather than relying on continuous feature expansion, PLC maintains a balanced approach focused on reliability, interoperability, and structural longevity.

06.

Operational Structure of PLC

PLC operates within existing digital asset markets rather than forming a proprietary service ecosystem. Its structure is designed to function through established exchange, custody, and blockchain infrastructure, enabling straightforward participation without dependence on application-layer platforms.

Core Operational Elements

1. Market Participants

PLC interacts with a broad range of market participants including traders, custodians, and liquidity providers. These participants engage through standard digital asset activities such as holding, transferring, and trading PLC across supported platforms.

2. Exchange Infrastructure

Digital asset exchanges serve as the primary environment for PLC circulation. Trading, settlement, and price discovery occur through established exchange mechanisms without reliance on protocol-driven financial services.

3. Custody and Transfer Systems

PLC is supported by standardized wallet and custody solutions that enable secure storage and transfer across blockchain networks. This ensures operational continuity within globally recognized digital asset framework.

4. Blockchain-Based Transaction Layer

All PLC transactions are recorded on-chain, providing transparency, traceability, and technical reliability through blockchain verification mechanisms.

5. Exchange and Wallet Accessibility

PLC is accessed, transferred, and managed through digital asset exchanges and compatible wallet systems. These environments provide the practical framework for circulation and user participation within the global blockchain market.

6. Infrastructure Compatibility

PLC operates using standardized blockchain infrastructure, allowing integration with existing custody, trading, and settlement systems without requiring additional applicationlayer development.

Usage Framework of PLC

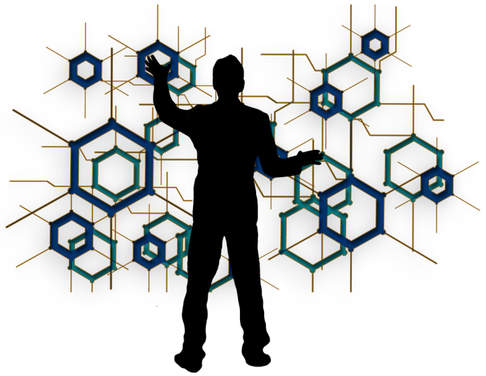
- **Market-Based Participation PLC is utilized through open market activity, where value is established via transparent trading, transfer, and holding rather than protocol-driven financial mechanisms.**

- **Exchange-Centered Circulation The primary interaction with PLC occurs on digital asset exchanges, where listing environments support liquidity discovery and price formation through standard trading processes**

- **Wallet and Custody Utilization Users manage PLC through compatible wallet and custody solutions, enabling secure storage and seamless asset movement across blockchain networks.**

- **Cross-Platform Transferability PLC is structured to move efficiently between supported platforms, ensuring interoperability without requiring specialized application-layer integrations**

- **Supply Stability Through Market Dynamics Rather than algorithmic controls or reward-based adjustments, PLC maintains circulation balance through natural market participation and transparent distribution.**



07.

Token Structure and Economic Model

PLC is a standardized digital asset designed for transparent circulation within global blockchain markets. Its economic model is based on open market participation and exchange-driven price discovery, without embedded protocol-based financial mechanisms.

Token Characteristics

1.Transferability

PLC enables secure peer-to-peer ownership transfer through blockchainverified transactions, ensuring transparent asset movement across supported platforms.

2. Market-Based Valuation

The value of PLC is established through open exchange trading rather than algorithmic reward systems or protocol-generated incentives.

3. Infrastructure Compatibilit

PLC maintains compatibility with widely adopted wallets, custody providers, and exchange systems, supporting seamless storage and circulation.

4. Transparent On-Chain Recor

All transactions and ownership data are recorded on-chain, providing verifiability and structural integrity without intermediary control.

5. Simplified Economic Design

PLC adopts a streamlined model without complex protocol-based financial mechanisms, prioritizing clarity and long-term structural sustainability.

Supply and Market Circulation Structure

PLC does not implement artificial supply control mechanisms such as burning, lockup mechanisms, or reward-based incentive systems. Its circulating supply structure is designed for transparency and predictability within open market environments. Value formation and circulation balance are determined by exchange-based participation and market dynamics rather than algorithmic adjustments or protocol driven .PLC prioritizes structural simplicity and long-term reliability, avoiding complex economic manipulation mechanisms in favor of standardized digital asset circulation.

08.

Security and Network Reliability

PLC operates on the Polygon network and relies on established blockchain infrastructure to ensure secure, transparent, and efficient transaction processing. Security • Blockchain-Level Integrity:All PLC transactions are permanently recorded on-chain, ensuring immutability, transparency, and verifiable ownership history through distributed ledger validation. • Standardized Token Architecture:PLC is implemented using an EVMcompatible structure on the Polygon mainnet, ensuring compatibility with widely adopted wallets, exchanges, and custody solutions. • Infrastructure-Based Protection : Security and reliability are supported by the underlying blockchain consensus mechanism rather than application-layer services or proprietary systems

Network Scalability :By leveraging Polygon’s scalable network environment, PLC benefits from efficient transaction processing, cost-effective operations, and compatibility across global digital asset markets.

Scalability

PLC does not pursue application-layer expansion or modular service development. Its scalability is derived from the underlying Polygon network infrastructure rather than dApp ecosystem growth.

Structural Scalability Approach

- **Infrastructure-Based Expansion PLC benefits from Polygon's scalable blockchain environment, enabling efficient transaction processing without requiring proprietary system upgrades.**

- **Exchange-Level Integration Scalability is supported through compatibility with existing exchange and custody infrastructure rather than through platform-specific service expansion.**

- **Standardized Architecture By maintaining a simplified and standardized token structure, PLC ensures long-term adaptability without the need for modular application-layer additions**

- **Interoperable Market Participation PLC is structured for seamless integration across supported digital asset markets, allowing growth through broader market adoption rather than protocol development.**

09.

Roadmap

PLC focuses on expanding global market accessibility and strengthening infrastructure compatibility to support transparent digital asset circulation.

H1 2026

Official introduction of the PLC project • Publication of the PLC whitepaper and documentation • Initial community formation and global awareness • Preparation for digital asset exchange listings

H2 2026

Expansion of exchange listing discussions with global platforms • Integration with widely used wallets and custody infrastructure • Strengthening community communication channels • Initial market circulation stabilization.

H1 2027

Additional exchange listings and trading accessibility expansion • Strategic partnerships within blockchain infrastructure ecosystems • Expansion of global market visibility for PLC.

H2 2027

Continued expansion of global digital asset market accessibility • Strengthening infrastructure compatibility across platforms • Long-term stabilization of the PLC market ecosystem.

The PLC roadmap represents the current direction of project development and may be adjusted according to market conditions, infrastructure evolution, and ecosystem growth.

10.

Token Information and Distribution Plan

PLC is issued on the Polygon network as a standardized digital asset designed for transparent circulation within global blockchain markets. This section outlines the core token information, total supply, and distribution structure of PLC.

Basic Token information

Token Name	**Pearl chain**
Token Symbol	**PLC**
Blockchain	**Polygon**
Total Supply	10,000,000,000 PLC
Smart Contract Address	(To be added after deploy)

Token Distribution Plan

- Public Distribution 40% Market circulation and trading liquidity .
- Strategic Partnerships 20% Strategic collaborations and market expansion.
- Team & Development 15% Project development and operational support .
- Marketing & Community 15% Global awareness and community growth.
- Reserve 10% Long-term project stability.

11.
User Participation and Community

The plc community plays an important role in supporting project transparency, market awareness, and global participation within the digital asset ecosystem.

- Community Participation plc holders and community members contribute to the growth of the project through community engagement, information sharing, and global network expansion. • Participation in community discussions and communication channels • Contribution to the spread of project information and awareness • Engagement in global digital asset communities.

- Market Participation plc enables participants to engage in global digital asset markets through open and transparent blockchain infrastructure. • Trading across supported digital asset exchanges • Secure storage and transfer using compatible wallets • Participation in the broader blockchain market ecosystem.

- **Community Communication and Transparency The PLC project values transparent communication with its global community and maintains open channels for information sharing and project updates. 1.Open Communication Channels The PLC team provides updates and announcements through official communication platforms to keep the community informed about project developments. 2. Community Engagement Community members support the growth of PLC by participating in discussions, sharing project information, and contributing to global awareness. 3. Transparent Information Sharing Important project announcements and updates are communicated through official channels to maintain transparency and strengthen trust within the community.**

12.

Legal Notice and Disclaimer

Disclaimer

This whitepaper is intended for informational purposes only and provides an overview of the PLC project. It does not constitute legal, financial, or investment advice. The information contained in this document reflects the project’s current direction and may be updated or modified as development progresses.

1.Accuracy of Information All information provided in this document is accurate to the best of the project's knowledge at the time of publication. However, PLC does not guarantee the completeness or continued accuracy of the information due to potential technological, regulatory, or market changes. 2. Investment Risk Digital assets involve market risks and price volatility. Holding PLC tokens does not guarantee profits or financial returns. Participants should carefully evaluate the risks associated with digital asset markets. 3. Legal Compliance Users are responsible for ensuring compliance with applicable laws and regulations within their jurisdiction when acquiring, holding, or trading ORIX. 4. Technical Risks PLC operates on blockchain infrastructure. Potential issues such as network congestion, security vulnerabilities, or technological failures may affect the operation or accessibility of digital assets. 5. Token Usage Limitation PLC is a digital asset and should not be interpreted as a financial instrument or investment product, security, or investment product unless otherwise defined by applicable regulations.

Note : This document is provided solely for informational purposes. Readers are encouraged to conduct independent research and consult professional advisors before making decisions related to digital assets.