

XPHERE

Blockchain Network

Decentralized Service-Optimized
Hyper-Connected Blockchain

Inherited the technical superiority of SASEUL blockchain
Seoul Labs' independent blockchain development



“Xphere”

Native Coin – Xphere(XP)

XP serves as the fuel that powers Xphere

The XP coin within the Xphere blockchain is the primary cryptocurrency that can be transferred. It's used to pay transaction fees when generating or executing smart contracts or transferring other cryptocurrencies like XP within the Xphere network. The XP coin is essential as a fuel for operating decentralized application platforms (dApps).



Xphere (XP) Overview

Category	Content
Coin Name	Xphere
Ticker	XP
Consensus Algorithm	PoW-based multi-consensus mechanism
Total Supply	5,500,000,000XP (mined over 100 years)
Genesis Issuance	2024년 3월 12일
Halving Rule	Approximately 18% decrease annually. (Halved every 4 year)

1 Xphere (XP) is 10^{18} peb.

Overview

Xphere is a next-generation blockchain optimized for enterprise-level services

Optimized for industry-specific services

Xphere prioritizes optimizing usability for corporate-level services in the real world, aiming to activate the ecosystem and improve system performance and stability.

Innovative multi-layer architecture

Xphere features a logical architecture of a triple chain, enabling optimal operation of dApp services while satisfying speed, decentralization, and security simultaneously.

Alliance operation for ecosystem activation

Centered around Xphere Governance Alliance members, it strengthens the foundation for ecosystem activation through the effective management of various funds.



Xphere – Innovative New Blockchain

Xphere is next-generation blockchain of first global standard

Xphere is touted as the world's first blockchain of its kind, positioned to overcome the trilemma challenge. It is founded on unique consensus algorithms, an efficient distributed database operational mechanism, and cross-chain transaction capabilities, establishing its status as an emerging next-generation blockchain.

1st Generation



2nd Generation



3rd Generation



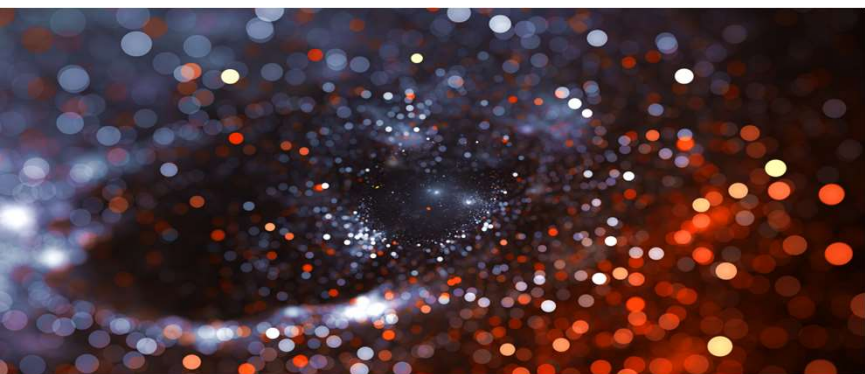
Xphere Blockchain



Why Xphere?

Xphere, a commercial layer, optimized for real world application

The public blockchain project Xphere is envisioned as a practical blockchain commercial layer for the meta-revolution, combining respect for the participation and contributions of all communities after establishing the foundation of the initial ecosystem and integrating new technologies and service innovations.



Technological Advantage

The most overwhelmingly powerful among existing blockchains

Fast Processing Speed

- Real-time transaction finality (1~2 seconds)
- Guaranteed usability with a transaction volume of over 4,000 TPS

Service Scalability

- Scalable service chain operation
- Provides a high-performance service operating environment
- Enhances the convenience of DApp development

Cross-chain Transation

- Supports direct transactions between blockchains
- Optionally usable with bridges



XPHERE

Complete

Decentralization

- PoW-based multiple consensus method
- Network operation efficiency through separation of resource and main chains

Low Transaction Fee

- Transaction fee of 1×10^{-6} XP
- Transaction fee perceived as 'Zero'

Governance Alliance

- Participation of over 100 companies
- Contributes to the activation of the initial ecosystem

Independent Technology

- Triple chain logical structure
- Gradually enhances interoperability

Core Technologies

Xphere, a commercial layer, optimized for services

The Xphere public blockchain project, designed as a practical operational layer for the meta revolution, focuses on consolidating new technological and service innovations. It aims to build a foundational ecosystem initially and then honor the participation and contributions from the entire community.

X-chain Architecture

Overcome the trilemma and securing service scalability through Resource Layer, Main Layer, Service Layer

Hypothesis Acceptance Procedure

Enhance processing speed and security through the simultaneous participation of multiple validators in block generation

Data Storage

Maximize storage efficiency with optimized Merkle tree method

Cross-chain Transaction

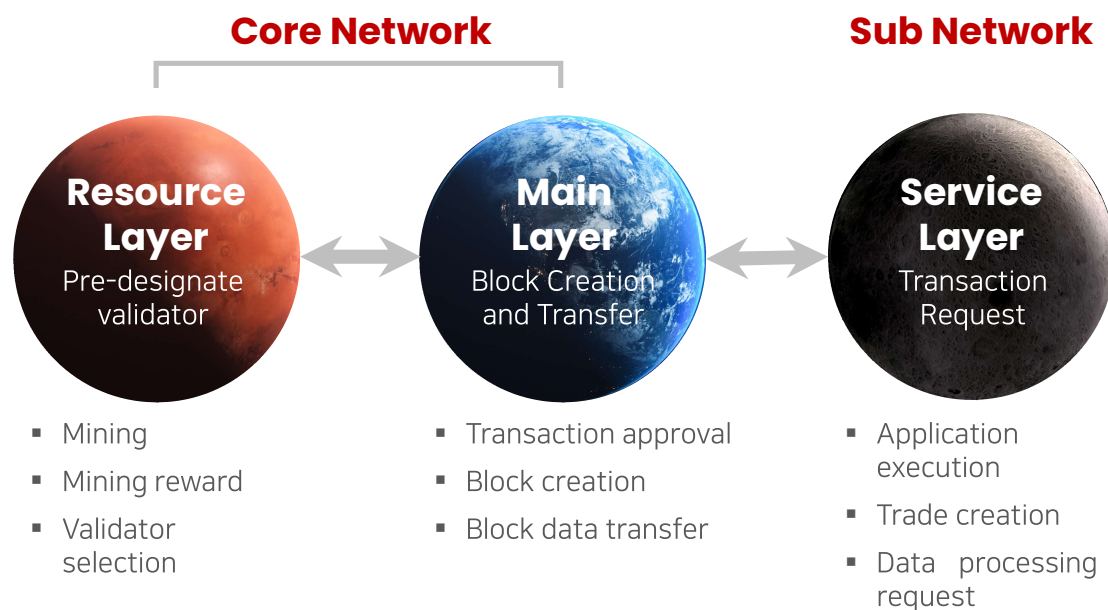
Support direct transactions between blockchains through smart contracts, without physical bridges

Pre-processing Data Onboarding System

Onboarding capable for all types of data onto the blockchain

Triple Chain Architecture

Xphere's architecture optimized for dApp services, overcoming the trilemma



01

Resource Layer

- The Resource layer pre-selects validators through Proof of Work.
- Successful miners receive small blockchain rewards (resources) and are chosen as the next validators.
- 'Resources' are converted into XP coins through a 'Refinement' process.

02

Main Layer

- The Main layer validates and executes transactions, creating and broadcasting blocks across the network.
- Pre-selected validators are responsible for block generation and transaction finalization.
- Implements an algorithm called "Hypothesis Acceptance."

03

Service Layer

- The Service layer operates as a subsidiary blockchain, independently managed by decentralized applications (dApps), forming part of the Xphere sub-network.
- The Service layer connects to the Main layer through nodes that generate transactions and handle data requests.

Advantages Of Triple Chain Architecture

The multi-layer architecture enhances operational efficiency of blockchain networks

Traditional blockchains relying on a linear validator structure have imposed burdens on distributed processing speeds and reduced the efficiency of integrated application operations within the blockchain.

Xphere addresses this by dividing system operations into three connected logical networks based on their roles, optimizing system performance.



Resource Layer

- Separating the mining, validator selection, and block creation process
- Reducing the time for block creation and transaction completion



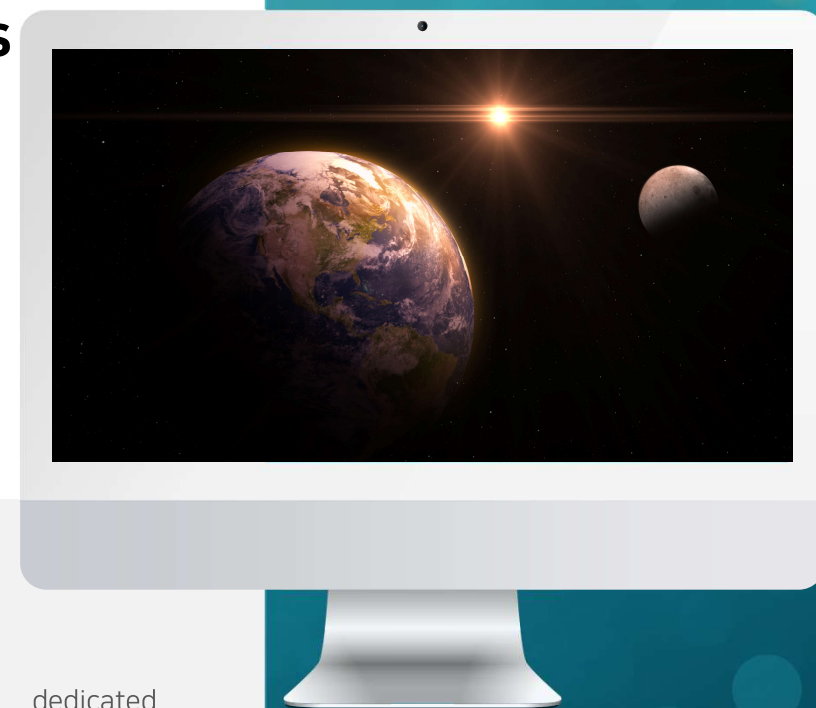
Main Layer

- Synchronizing the resource layer and the main layer
- Ensuring both rapid transaction registration and security



Service Layer

- Establishing a dedicated environment with high TPS and unique network policies
- Enabling stable and fast transaction processing



Technology Evolution Timeline

Technological Innovation through Gradual Evolution

Initially, Xphere will be a dual-layer system, including a resource layer and a main layer, with plans to limit technology disclosure in the short term. Future plans include technological upgrades to facilitate market entry for blockchain applications by introducing a separate service layer, aiming to operate a diversified blockchain network.

2024

Private Dual-Layer Blockchain

- The core network consists of the resource chain and the main chain.
- Focus on building the initial ecosystem.
- The Governance Alliance leads the initial ecosystem.
- Recruitment of more than 20 Governance Alliance members.
- Limited disclosure of network technology.





2025

Partial Access Multi-Layer Blockchain (Service Layer Open)

- Additional service chain optimized for dApp operations
- Network technology upgrade and development tools enhancement
- Selective opening of access to service chain technology
- Recruitment of over 100 Governance Alliance members
- Implementation of various support policies to facilitate dApp market entry

2026

Public Multi-Layer Blockchain

- Realization of a fully open blockchain network technology
- Removal of participant restrictions for validators
- Ecosystem infrastructure enhancement
- Strengthening of developer community operations

(위 계획은 상황에 따라 변경될 수 있습니다.)

Xphere Governance Alliance

XGA provides infrastructure for the early ecosystem

The Xphere Governance Alliance plays a pivotal role within the core chain network, particularly with the resource and main chains, by maintaining a group of node operators or performing equivalent functions. Members of the alliance are tasked with sustaining nodes of the core chain network and are essential in providing the fundamental infrastructure for Xphere's early ecosystem.



Xphere Economy & Funds



Block Reward



Xsphere Coin Mining



Transaction Fee

Xphere economy is designed to consistently support ecosystem

The Xphere economy is designed to sustainably support the operation, growth plans, and strategic investments of the platform's ecosystem. It aims to provide incentives to participants who contribute to network expansion or invest in its long-term growth.

50%

Ecosystem

- Provide mining pools
- Rewards for roles in building the initial economy
- Indirect investment (VC)
- Support for dApp projects (GRANT)

30%

Marketing & Community

- Fostering the entire community
- Ecosystem expansion
- Direct and indirect marketing for Xphere

20%

Foundation

- Securing alliance members
- Providing liquidity
- Service development
- Foundation management for Xphere

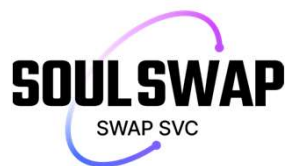
Initial DApp Application

Secure successful dApp service cases For the activation of the initial ecosystem

In its early ecosystem phase, Xphere plans to attract around 30 dApps to establish a successful model for blockchain service scalability.



XPHERE TAMSA





Hyper-connected Blockchain
for Vertical Industry Excellence

