
THE WORLD IN DATA
BASED ON DEPIN
DINX
Reinventing how data is stored, secured and used

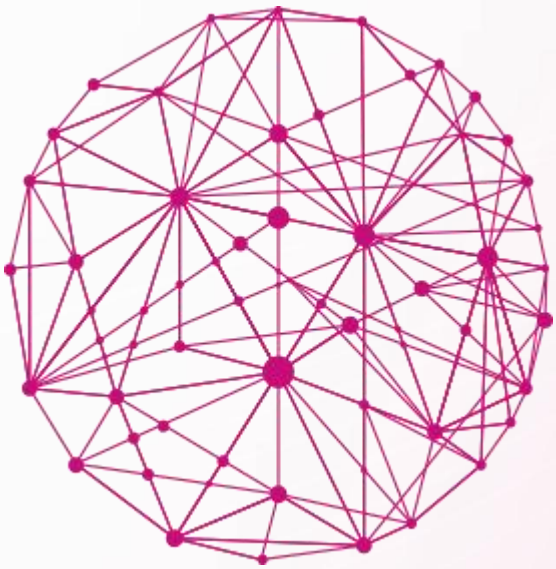
1、Project Introduction

Amid the ongoing evolution of digital infrastructure toward decentralization, DINX has emerged as an innovative token project built on DePIN (Decentralized Physical Infrastructure Network). Beyond its mission to pioneer decentralized services, DINX envisions creating next-generation data interaction models, dedicated to revolutionizing how we store, secure, and utilize data.

With global data volumes growing exponentially, traditional centralized cloud services have increasingly exposed structural flaws including high costs, privacy breaches, and single points of failure. At this critical juncture, DePIN – a rising star in decentralized service networks – provides robust physical infrastructure for the Web3 ecosystem—— encompassing storage nodes, computing resources, bandwidth transmission, and other foundational facilities. The platform is rapidly unlocking a trillion-dollar market potential. Riding this wave, DINX pioneers the deep integration of blockchain technology, privacy-preserving computation, edge storage, and incentive mechanisms, building a safer, more open, and enduring data ecosystem for developers and users alike.

The mission of DINX is not only to be the core driver of decentralized cloud storage solutions, but also to act as a carrier of infrastructure value in emerging fields such as AI, Web3 and Internet of Things, driving true digital autonomy and permanent data storage.

In this era of "data as an asset", DINX is participating in and leading the global layout of DePIN with dual innovation of technology and concept, releasing its immeasurable value potential.



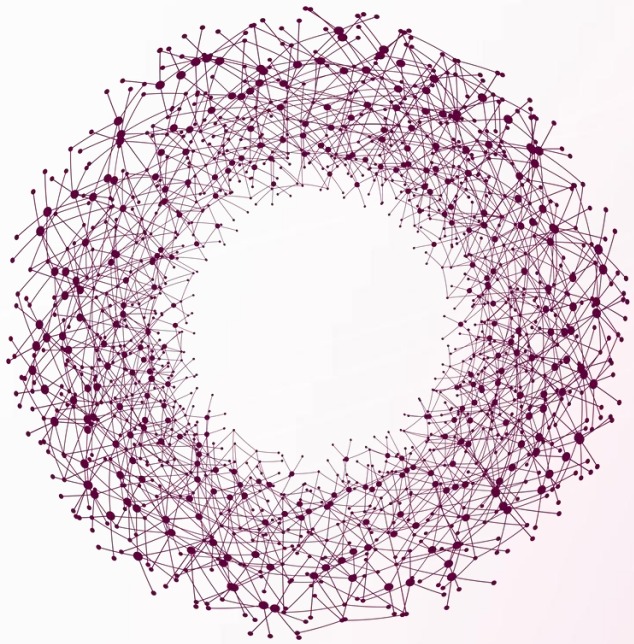
2、 project context

With the advent of the Web3 era, global demand for data sovereignty, privacy protection, and distributed storage has surged dramatically. Traditional centralized cloud services are increasingly exposing vulnerabilities in stability, privacy protection, and cost control — issues ranging from data breaches to service outages and platform trust crises. These challenges are now compelling the industry to transition toward safer, more transparent, and self-governed technological solutions.

In this context, DePIN (Decentralized Physical Infrastructure Network) has emerged as a novel network model integrating blockchain technology with physical infrastructure. Through a globally distributed node network, it provides accessible digital resources such as storage, computing power, and bandwidth, offering efficient, cost-effective, and trustworthy support for data-intensive applications like AI, big data, and IoT.

The DINX project emerged at the intersection of technological advancement and market transformation. Built on the DePIN network, it integrates decentralized cloud storage, AI computing access, and incentive mechanisms to create a truly open, sustainable, and highly available Web3 digital infrastructure platform. As the core incentive unit within this ecosystem, the DINX token will serve as a pivotal hub in critical operations including storage incentives, resource allocation, and service settlements.

DINX is not only a token, but also a forward-looking layout for the future of decentralized service forms. As the DePIN track is gradually accelerated by capital and technology, DINX will occupy an important position in this wave and promote the infrastructure reconstruction of the next generation of digital world.



3、 market analysis

DePIN (Decentralized Physical Facility Network) is an inevitable global movement that represents a future form of work.

DePIN uses cryptocurrency incentives to efficiently coordinate the construction and operation of critical infrastructure on a public blockchain.

DePIN is the way most people will interact with Web3 and AIoT, and it represents a future of work.

People can automatically generate a steady stream of income by deploying DePIN hardware devices in their homes, such as home gateways, private charging stations and car boxes. In the near future, passive income generated by DePIN devices may account for a significant portion of everyone's cash inflow.

With the lowering of technical barriers and expanding application scenarios, the next five billion potential users are poised to join this movement, driving wealth accumulation through sustained "bottom-up" growth. DePIN is creating a new pathway to financial freedom for all. By digitizing assets and enabling value circulation, it empowers everyone to share in economic dividends, bridge the wealth gap, and build an inclusive financial ecosystem.

Unlike the Matthew effect in traditional economies, Web3 drives the free flow of production factors like intellect, emotions, and physical capabilities through open and transparent incentive mechanisms, ensuring contributors receive rewards proportional to their contributions. The blockchain-native token economy model establishes credible channels for value capture and circulation of creative labor. Leveraging token incentives, everyone can effortlessly participate in value creation and wealth exchange, accelerating the accumulation of social wealth into the long tail. Thus, DePIN's emergence is no coincidence—it aligns with the inherent logic of wealth distribution in the intelligent economy era, demonstrating blockchain's pivotal role in transforming productivity and production relations.

Despite the huge growth, DePIN is still in its infancy, and even the most successful DePIN has less than 0.1% of the market share of its Web2 counterpart.

Over the next decade, as DePIN's market share continues to expand, the report predicts its growth will reach 100-1000-fold. By 2024, the DePIN community's focus will shift from supply-side expansion to demand-side exploration and revenue growth. Currently, over 13 million devices globally serve as

DePIN nodes each month, with five DePIN networks rapidly scaling their node count to millions within less than a year.

What happened at DePIN in 2024?

In 2024, the DePIN ecosystem reached a market capitalization of $50 billion, encompassing over 350 tokens and representing approximately 100 times annual recurring revenue (ARR). Specifically, the number of DePIN projects surged 12-fold to 1,170; market value skyrocketed tenfold to $50 billion; revenue multiplied 100-fold to $500 million; and market share expanded 25-fold to 49%. For Web3-native investors, DePIN has become the gold standard. In 2024, seed-stage venture capital firms invested over $175 million in DePIN, with 20 projects generating $500 million in annual revenue. A select group of VC firms with clear investment strategies are now concentrating their bets on the largest DePIN market.

The DePIN project is also directly raising money from the community as well as completing venture capital financing.

In 2024, the DePIN project has raised over $230 million from communities through node sales, crowdfunding platforms, and proprietary liquidity pools. Today, DePIN sensors are more affordable, diverse, and powerful than ever. Many OEMs actively collaborate with the DePIN project for customized hardware development. Moreover, thanks to its shared co-creation model, the DePIN project has avoided information silos or fragmented systems from the outset. Projects interconnect seamlessly, leverage each other's strengths, share hardware and software resources, and foster mutual growth.

DePIN is AGI's journey back to the present day in a time machine

DePIN is the process by which AGI general artificial intelligence drives back in time to the prescreates the resources needed for AGI to thrive.DePIN represents a method for building and optimizing the infrastructure required for artificial intelligence through distributed networks. AGI, as a highly advanced intelligent system, requires substantial resources such as computing power, storage capacity, data, and energy. However, these resources may currently be insufficient to support the realization of AGI.DePIN can be viewed as a form of "time travel" for AGI. By incentivizing global participants to contribute their idle resources, AGI is creating essential conditions for its future development. This collective intelligence accelerates the construction of necessary infrastructure and ensures sufficient resource supply. From this perspective, DePIN represents not just technological innovation, but a

pivotal phase in AI evolution. It demonstrates intelligent systems' capabilities for "self-optimization" and "self-improvement," leveraging societal forces to achieve developmental goals. This bottom-up organizational approach contrasts sharply with traditional top-down methods, showcasing the unique advantages and appeal of distributed networks.

In 2024, the DePIN and AI proxy combined project was the best performing asset class globally, with five projects delivering annual returns of more than 1,000%.

The explosive growth of the DePIN track highlights the unique advantages of decentralized collaboration in driving AI development.

At a deeper level, AI intelligent agents represent a new paradigm in artificial intelligence development. By pooling global data, computing power, and wisdom, AI is transitioning from "laboratories" to households worldwide, accelerating technological breakthroughs and practical applications through more collaborative and democratic approaches. This decentralized innovation path holds promise to reshape the AI industry landscape and business models. DePIN may become the next frontier in AI evolution, guiding the sector toward a more open and diverse future.

Further analysis, the report suggests that intelligent agents have the potential to replicate the growth patterns of DeFi and NFT in the past few years, as shown above.

DeFi (Decentralized Finance) transactions surged 28-fold in just 10 months, from $170 million in July 2020 to $5 billion in May 2021. This growth reflects the rapid adoption of DeFi protocols and the continued strong market demand.

NFT (non-fungible token) trading volume has surged 50-fold within seven months, jumping from $10 million in January 2021 to $550 million by August. By providing new technological solutions for digital asset ownership and circulation, NFTs are driving innovative business models like digital collectibles and virtual real estate.

The growth of Agent (intelligent agent) transactions is still unpredictable, reflecting the broad application space of artificial intelligence in the blockchain field.

By integrating AI with blockchain, intelligent agents can achieve more efficient, secure, and intelligent distributed collaboration. From data mining to model training , from automated execution to cross-chain interoperability, AI agent networks are expected to become the underlying architecture of next-generation artificial intelligence.

If DePIN is changing the way people work, then AI agents could herald a whole new form of business and organization.

From the launch of the first agency project to the emergence of tokenized platforms and smart contracts, and further to the rise of DAOs (Decentralized Autonomous Organizations), agency networks have achieved a groundbreaking leap from concept to reality at an unprecedented pace. This progress is driven by blockchain's inherent value transfer mechanisms and incentive systems, enabling efficient collaboration among stakeholders and fostering ecosystem development. Simultaneously, the agency economy challenges traditional industrial monopolies, creating new opportunities for ordinary citizens to participate in economic activities and share growth dividends. Thus, enterprises and agency models represent two distinct organizational paradigms: the former relies on mass production and hierarchical management to pursue efficiency and control, while the latter leverages blockchain technology to emphasize individual freedom, value sharing, and collaborative competition. These paradigms are shaping divergent business models and social structures. The advent of AI agencies may herald the dawn of the post-industrial era, pointing to a decentralized future landscape.

DeGEN is becoming a fulcrum for energy system change

With the increasing proportion of renewable energy, the power grid has put forward higher requirements for real-time balance between power generation and consumption. The traditional centralized power grid is difficult to cope with the intermittency and volatility of new energy, and it is in urgent need of more flexible and intelligent dispatching methods. Distributed energy systems can achieve this through..

The near-end energy storage and regulation equipment can balance supply and demand on the user side and reduce the pressure on the grid.

The intermediate line chart illustrates how interconnection time evolves with operational demands. Early power grids primarily relied on unidirectional transmission, with limited interconnection requirements. In modern power systems, massive distributed devices demand real-time sensing and proactive regulation, imposing stringent demands on communication latency and reliability. This necessitates deep integration between energy and information systems, requiring precise coordination across energy flow, service flow, and data flow dimensions. Advancements in technologies like edge computing and energy blockchain have opened new possibilities for efficient connectivity between the physical and digital worlds.

Driven by the simultaneous reduction of both hard and soft costs, an increasing number of households worldwide are expected to gain access to self-generated energy for domestic use, transforming them into producers and consumers within the Energy Internet. This shift in user roles will drive fundamental restructuring of existing power systems and business models. By establishing shared economy platforms, every household can participate in energy trading and grid balancing operations, thereby earning economic incentives. Energy services will evolve from simple commodity sales to diversified, personalized value-added offerings.

Distributed energy is becoming a fulcrum for the transformation of the energy system.

Technological innovation, model innovation, and business model innovation are converging across multiple dimensions. This convergence not only drives cost reduction and efficiency enhancement in energy systems but also fosters flexible and collaborative new production relationships. The free flow of energy resources and their value conversion are ultimately expected to lead to a highly interconnected "Energy Internet"

This is a Web3 enabled DePIN energy data network, which aims to connect global distributed renewable energy resources and mine the value of data, so that the power of global communities can work together to make our planet carbon neutral.

By leveraging Web3 economics, AIoT, and blockchain technologies, Arkreen collaborates with global communities to build a distributed renewable energy data infrastructure network. This platform efficiently aggregates credible energy data at low cost and converts it into Renewable Energy Certificates (RECs), empowering individuals and organizations to achieve carbon neutrality goals. Since launching its testnet in May 2023 and the mainnet in March 2023, Arkreen's operational metrics have demonstrated rapid growth momentum.

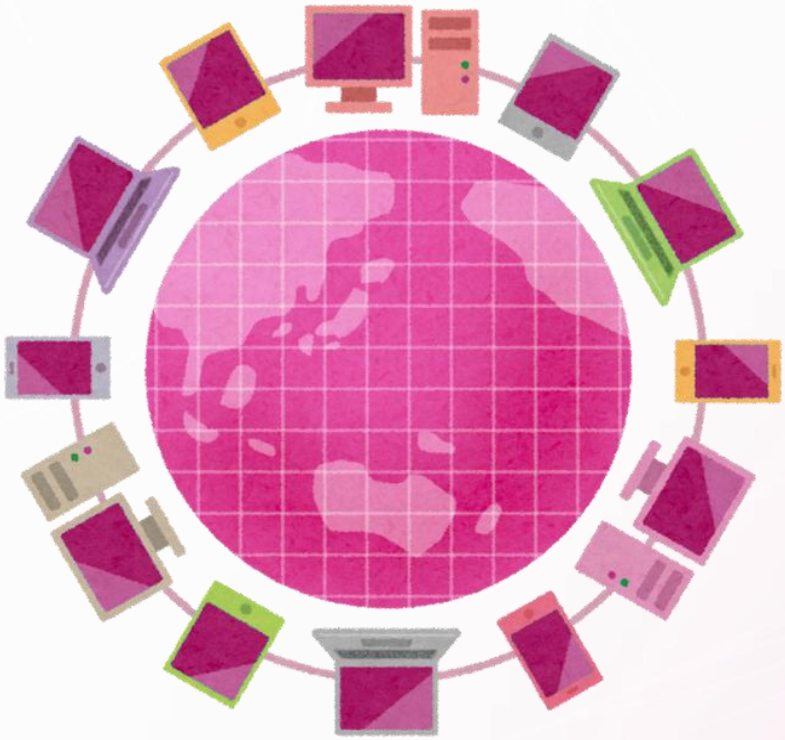
In the Web2-based charging model for electric vehicles, users first need to find a suitable charging station and then try different charging periods one by one until their needs are met. This process is often time-consuming and laborious, and the charging price is not transparent enough to form stable expectations for electricity prices in different periods.

The DeGEN project has pioneered an innovative Web3-based distributed charging protocol. Its DeFi-native incentive mechanism is seamlessly integrated into the charging process, enabling users to charge wirelessly through blockchain clients while eliminating cumbersome site registration and time slot selection. Essentially, DeGEN establishes a peer-to-peer trading platform connecting car owners with charging infrastructure operators. Car owners can freely share idle charging equipment, while operators provide flexible pricing solutions for on-demand charging. Through smart contracts and real-time settlement mechanisms, all parties receive fair compensation based on actual power consumption and usage duration, creating a dynamic incentive system that balances supply and demand.

From the perspective of economics, DeGEN effectively integrates supply-side and demand-side resources to improve the overall utilization efficiency of the power system. The introduction of the sharing economy concept enables the coordinated scheduling of massive decentralized energy storage facilities, which alleviates the peak pressure caused by centralized charging of electric vehicles.

sum up

The development of DePIN marks the transition of Web3 from the digital world to the physical world, and from the virtual economy to the real economy. This decentralized movement driven by collective intelligence not only opens up new paths for ordinary people to achieve financial freedom, but also injects fresh momentum into global economic development.



4、Market pain points and solutions

While DePIN (Decentralized Physical Infrastructure Network) is becoming an important part of Web3 infrastructure, as an emerging technology, its development still faces many practical challenges and structural pain points:

The node resource is unevenly distributed and the network efficiency is low

Most DEPIN projects lack sufficient node participation and geographic coverage in the early stage, resulting in unstable service quality and difficult to support large-scale applications.

The incentive mechanism is weak and the motivation of participants is insufficient

Node operators and resource providers often cannot obtain sustainable and stable returns, which weakens the vitality and expansion speed of the whole network.

Data storage security and privacy protection is not in place

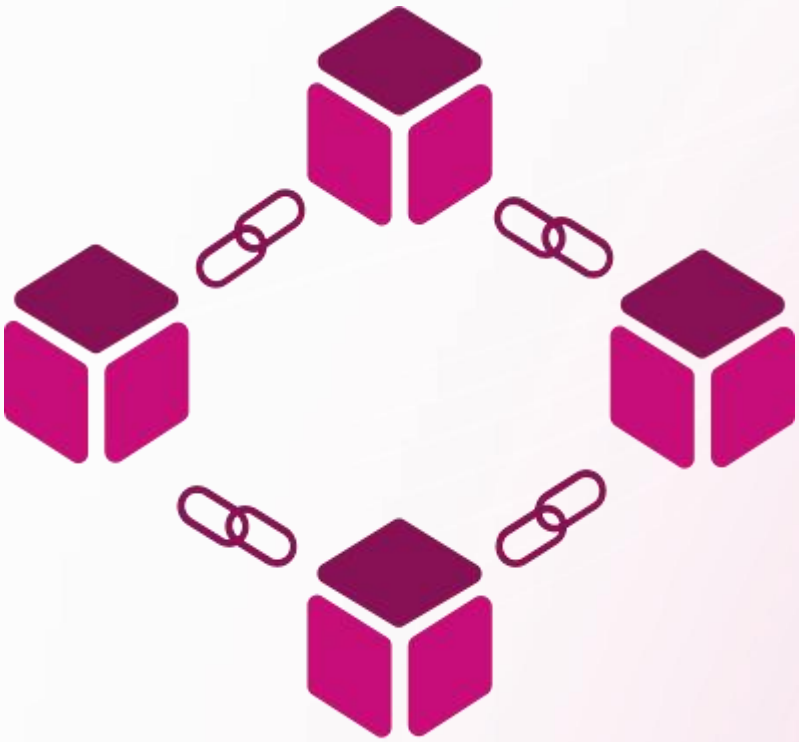
Some projects sacrifice user privacy for efficiency, or lack sufficient encryption and multiple backup mechanisms to carry high sensitive data.

The ecological closed loop has not yet been formed, and there is a lack of practical implementation scenarios

Many DEPIN projects are still at the stage of providing basic resources, and lack of in-depth expansion combined with AI, Web3 applications, Internet of Things and other scenarios.

High barriers to entry and unfriendly experience

Due to the complexity of technology and inconvenient operation, it is difficult for ordinary users to understand and use DePIN, resulting in slow popularization.



DINX's solution: Build a practical and motivating DePIN ecosystem

The DINX project focuses on the above pain points and proposes a set of systematic solutions through underlying technology optimization and mechanism design innovation:

Global node incentive network to achieve efficient resource allocation

DINX builds a node screening and scheduling system based on geographical location, performance score and service quality to guide nodes to cover diversified regions and achieve the real sense of global service accessibility.

Refine incentive mechanism to ensure node operation revenue

DINX introduces a multi-dimensional incentive model: basic income + task reward + DAO governance dividend, ensuring long-term win-win situation for node providers, storage contributors and users, and enhancing network stickiness.

Multi-layer encryption and fragmentation mechanism to enhance privacy and security

The data is encrypted, fragmented and stored on multiple independent nodes. Combined with the immutable mechanism of blockchain, the privacy and permanent availability of user data are guaranteed.

Multi-scenario integration to promote the construction of application ecology

DINX not only provides basic cloud storage capabilities, but also will gradually expand to AI model training storage, DeFi data services, NFT deposit backup, Internet of Things data hosting and other diverse scenarios, opening up a closed value loop.

Low threshold access and simple operation interface

The project will provide a graphical user interface, simplified deployment guidelines, and one-click backup/recovery tools that make it easy for ordinary users to access and enjoy decentralized services.

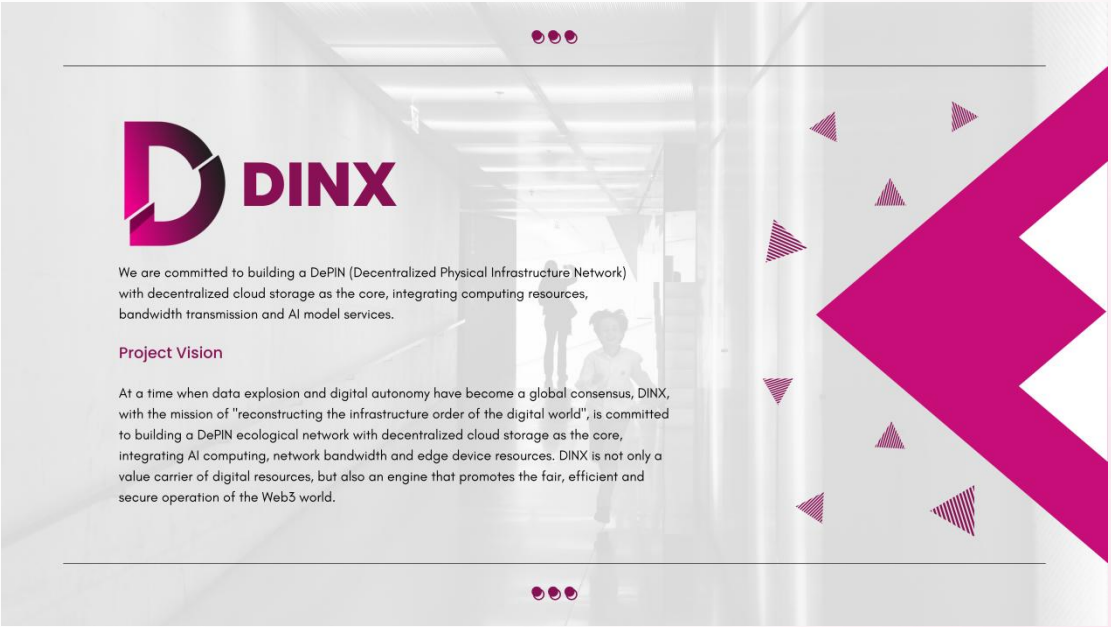
epilogue

DINX is not merely a token within the DePIN ecosystem, but a transformative overhaul of infrastructure digitalization. By pinpointing industry gaps and integrating economic models with technological innovations, DINX will serve as a pivotal bridge connecting users, developers, and resource providers, accelerating DePIN's evolution from conceptualization to large-scale implementation.

5、Project Introduction

DINX, a decentralized infrastructure ecosystem project co-founded by U.S.-based DINX and ACR Capital, aims to build a DePIN (Decentralized Physical Infrastructure Network) system that integrates decentralized cloud storage with computing resources, bandwidth transmission, and AI model services. By issuing its namesake token DINX, the project connects users, node providers, and developers, propelling the next-generation digital infrastructure from "centralized trust" to an era of "algorithmic trust". DINX boasts a global core technical team spanning Silicon Valley, Boston, and Singapore, comprising members from leading tech companies like Google, IPFS Labs, Oracle, and Polygon. The team brings extensive expertise in Web3 technology architecture and distributed network development.

DINX is a fundamental and revolutionary construction, aiming to build a safer, more open and more sustainable global distributed digital resource network, providing underlying support for AI, Internet of Things, Web3 applications, data storage and other scenarios.



1. DINX Company, USA

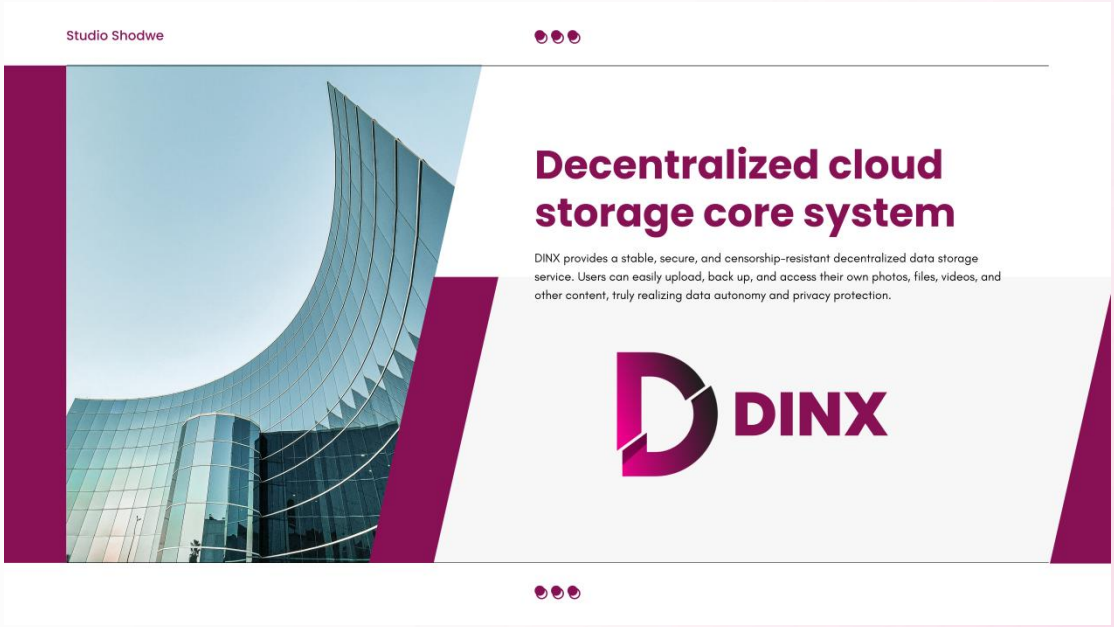
Headquartered in Silicon Valley, California, USA, DINX is a high-tech company specializing in the development of blockchain underlying technologies and research on Web3 infrastructure. The company holds multiple core technology patents in distributed storage, edge computing, smart contracts and other fields, and has long participated in the formulation of international decentralized protocol standards.

2. ACR Capital (ACR Capital)

ACR Capital, a New York-based private equity and blockchain fund, specializes in supporting globally disruptive infrastructure projects. Its early-stage investments include landmark initiatives such as decentralized finance (DeFi), AI computing platforms, and on-chain data services, demonstrating strong strategic resources and market implementation capabilities.

3. Project Vision

Amid the global consensus on data explosion and digital autonomy, DINX is committed to "reconstructing the infrastructure order of the digital world." It aims to build a DePIN ecosystem network centered on decentralized cloud storage, integrating AI computing, network bandwidth, and edge device resources. Beyond being a value carrier for digital resources, DINX serves as an engine driving fair, efficient, and secure operations in the Web3 world.



4. Project highlights

1. Decentralized cloud storage core system

DINX provides a stable, secure and censorship-resistant decentralized data storage service. Users can easily upload, backup and access their photos, files, videos and other content, truly realizing data autonomy and privacy protection.

2. Node incentive mechanism

Through DINX tokens as incentives, we will attract global hardware resource providers to join the network and contribute bandwidth, computing power and storage to build distributed data base stations and realize low-cost and highly available service infrastructure.

3. Deep integration of AI and DePIN

DINX lays out AI training and operation scenarios, provides underlying storage, computing power and access services for AI developers and enterprises, and builds a decentralized ecosystem of AI data and models.

4. Chain governance and community driven

Through DAO mechanism to promote community participation, users holding DINX tokens can participate in proposal voting, technology update decision and ecological development direction formulation, forming a truly decentralized governance pattern.

5. Cross-chain compatibility and open ecology

DINX supports multi-chain asset payment and cross-chain storage deployment, and can seamlessly connect to a variety of mainstream networks such as Ethereum, BSC, Polygon, Filecoin, etc., to create an interconnected infrastructure network.

5. Tokenomics

Token name: DINX

Total copies: 400 million

distribution pattern ：

Ecological incentive: 40% (for storage and computing power provider rewards)

Technology development and maintenance: 20%

Community governance and DAO funds: 15%

Investors and partners: 15%

Team lockup: 10% (linear release)

Application scenarios:

Storage space purchase

Node pledge and verification

Network resource leasing (e.g., AI computing power)

DAO voting and community governance

Services on the chain pay for discounts

6. Market prospect and implementation plan

According to multiple research reports, the decentralized storage and DePIN sectors are projected to reach a $100 billion market size within the next five years. Notably, decentralized storage alone is expected to maintain an annual growth rate exceeding 40%. With tightening data privacy regulations, skyrocketing demand for AI model training, and rapid expansion of Web3 users, DINX stands at the forefront of this technological wave:

Short-term goals (within 2025): build DINX main network, deploy core node system, release decentralized storage product prototype, and open public test

Medium-term goal (2025-2026): Expand the coverage of global nodes, access AI and Web3 cooperation projects, and implement multiple links and application scenarios

Long-term goal (2026-2030): To become the world's leading provider of DePIN network and data infrastructure, and promote DINX to become one of the standard tokens in the Web3 data ecosystem

epilogue

DINX is not just a token, but an infrastructure revolution. It carries the ambition to restructure the boundaries of data power, driven by distributed technology and powered by global consensus, providing a truly reliable, open, and transparent infrastructure foundation for the digital future.

Join DINX and build a decentralized data world.

6、Core technology architecture

DINX is built on the DePIN decentralized physical infrastructure network, focusing on data storage, computing, access, and circulation. The overall architecture design follows principles such as hierarchical, modular, high concurrency, high availability, and secure verification. The entire system can be divided into five core layers:

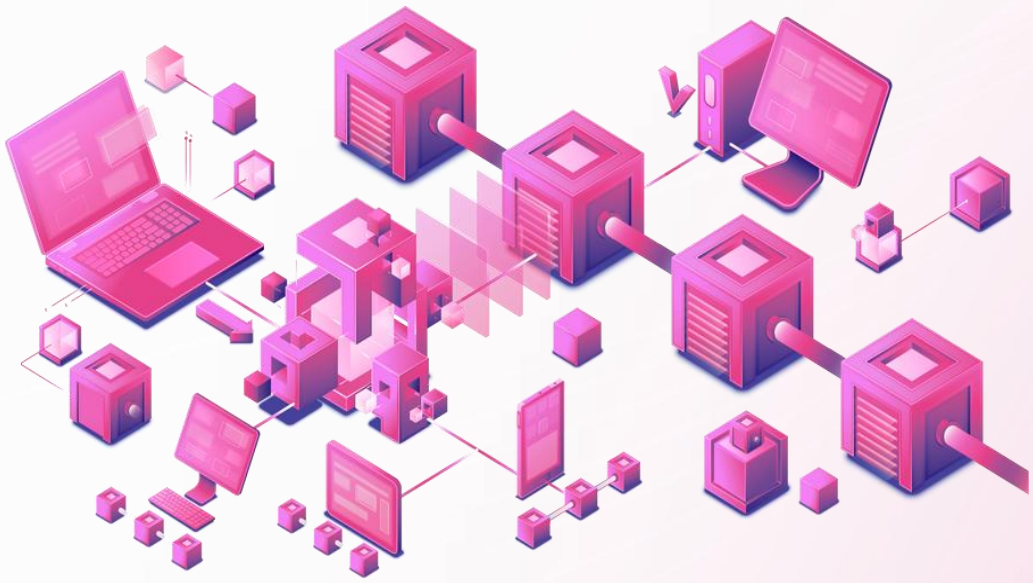
Distributed resource layer (physical layer)

Network and scheduling layer (system layer)

Blockchain protocol layer (consensus and settlement layer)

Incentive and governance layer (economic and autonomous layer)

Service and integration layer (application layer)



1. Detailed description of the five levels of system architecture

1. Decentralized resource layer

This is the "physical infrastructure layer" of the DINX network, consisting of thousands of devices around the world that are responsible for providing:

Storage resources:

Nodes can be connected to the DINX network and contribute local hard disk space.

The data is uniquely identified in the form of content addressing, and the sharding storage and redundant copy mechanism in the style of IPFS + Filecoin are adopted to ensure data reliability.

computing resource ：

Nodes can contribute local CPU/GPU resources to participate in AI model training or data processing.

Integrate lightweight edge computing frameworks (such as Wasmtime, WebAssembly runtime) to reduce the threshold of devices.

Bandwidth resources:

Nodes provide transmission services for tasks such as content distribution (CDN), node synchronization, and block broadcasting.

Combine upload/download throughput rate for traffic incentive.

2. Edge-to-Core Network and Orchestration Layer

This layer is the "central nerve" connecting physical nodes and blockchain system, realizing resource scheduling, service orchestration, data routing and service level evaluation.

Dynamic scheduling engine:

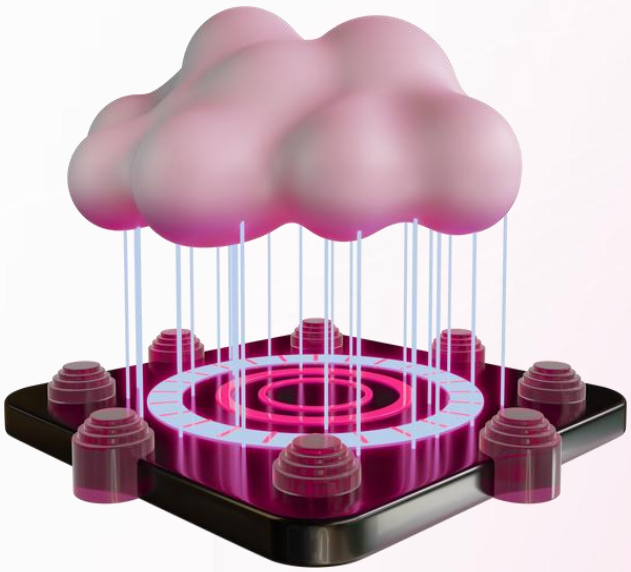
Built-in AI Orchestrator resource orchestration algorithm, which automatically matches the best node combination according to regional latency, node availability, historical reputation, performance, etc.

The system generates a "resource allocation DAG" (Resource Allocation DAG) before the task is executed to avoid repeated calculations and redundant deployment.

Node rating and routing:

All nodes report their running status regularly, and the system evaluates their availability, packet loss rate, response time and other indicators.

Based on the load balancing and quality of service (QoS) policy, tasks are assigned to different levels, such as hot data is assigned to high-speed nodes and cold data is stored in capacity nodes.



Data transmission acceleration:

Combine DHT (distributed hash table) and Gossip protocol to realize fast search and node discovery.

Build an optional "decentralized relay network" to improve data access efficiency in cross-border or low-bandwidth environments.

3. Blockchain protocol layer (On-chain Infrastructure Layer)

DINX uses a main chain based on EVM (Ethereum Virtual Machine) compatibility to build the core consensus system, data ownership and contract execution system.

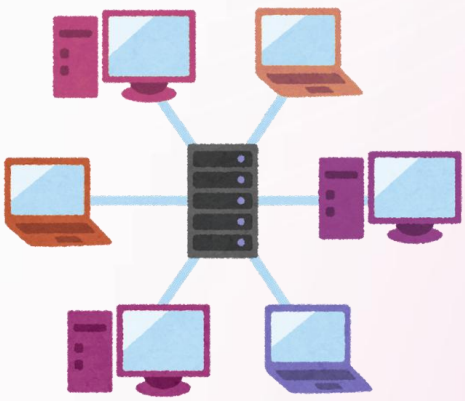
Core functions include:

Data ownership contract (Storage Proof Contract): All uploaded data generates a unique hash value and binds the wallet address, which supports the generation of storage proof.

Task settlement and payment (Micro-Payment Channels): A lightning network style micro-payment channel system that supports high frequency small resource usage settlement.

Service call contract: AI training, data backup, NFT file hosting and other service calls need to trigger the on-chain smart contract.

Extensible chain docking: Support cross-chain bridge technology and Layer2 docking (such as zkSync, Arbitrum) to provide high-speed transaction experience.



Consensus mechanism (improved PoS):

Nodes need to stake DINX tokens and accept system challenge verification to maintain the validity of blocks and storage tasks.

The punishment mechanism includes slashing and reputation reduction to ensure the overall health of the network.

4. Incentives and Governance (Token Economy & DAO Governance)

Multi-layer incentive model:

Motivational type	description
Basic incentives	Nodes receive basic rewards for being online, and maintain online rate and data availability
Service incentives	Dynamic rewards are given according to bandwidth usage, storage duration, and computing task processing capacity
User feedback	Users can enjoy fee deduction and accelerated channel according to token payment
NFT node binding	Highly trusted nodes can issue "node NFT" for re-pledging to build a reputation economy

DAO governance model:

The "ecological council" composed of DINX holders has the right to vote on ecological development path, parameter adjustment and fund allocation.

Proposal systems support the publication and voting of proposals through Snapshots or on-chain voting.

The ecosystem fund is managed by a DAO smart contract to reward the technology community and developer programs.

5. Service and Integration Layer (Service Layer & Developer Interface)

DINX is committed to building an open platform with scalable services and low barriers to access for a variety of Web3 scenarios.

Developer friendly:

Provides a complete API/SDK suite (supporting JavaScript, Python, Rust, etc.)

Quick integration: one-click deployment of decentralized storage, download, encryption, and backup interfaces

CLI and graphical interface support

Multi-scenario support:

Web3 DApps certification, NFT hosting

AI training data warehouse

Anti-censorship CDN for video/image Web applications

Enterprise-class decentralized backup system

6. Future technology expansion route

time	Technical direction	description
2025 Q4	ZK storage verification	The zero-knowledge proof mechanism is introduced to improve the privacy and efficiency of storage proof
2026 Q2	MPC privacy collaboration	Multi-processor computing integration, supporting privacy AI training and data modeling
2026 Q4	Dynamic resource auction market	Introduce an auction mechanism on the chain to freely price storage and computing power
From 2027	DINX AI Copilot	Build an AI-driven resource routing and task optimization proxy layer to realize automatic operation

epilogue

The core technology architecture of DINX represents not merely a technical stack, but a practical integration of decentralized thinking and infrastructure capabilities. By modularly combining storage, computing, bandwidth, and incentive mechanisms, DINX provides the global Web3 ecosystem with a foundational platform featuring security, scalability, and intrinsic economic incentives. As more developers and nodes join in the future, DINX is poised to evolve into a genuine "Web3 cloud foundation" and establish DePIN industry standards.

7、The future of ecology

DINX is committed to building a decentralized, intelligent, secure, and scalable digital ecosystem. Its architectural framework centers around DePIN (Decentralized Physical Infrastructure Network), integrating distributed storage, AI computing, edge node incentive mechanisms, cross-chain interoperability, and multi-scenario DApp application layers. This progressive development aims to create next-generation Web3 infrastructure with high autonomy and data sovereignty that belongs to individuals.

1. Five core ecological sectors

Decentralized Cloud Storage Layer (DINX)

Users can upload the data to multiple global nodes after encryption, so as to realize tamper-proof and disaster-resistant backup.

Nodes are incentivized to obtain DINX tokens based on their spatial contributions and stability.

Supports advanced scenarios such as private data storage, NFT original file hosting, and large AI model data bottoming.

Decentralized Computing Layer (DINX)

Integrate the idle computing power of the community to form a large-scale distributed AI reasoning and training network.

Support edge computing and smart contract scheduling, compatible with EVM and Wasmer virtual machine.

Provide dynamic computing support for AI applications, Web3 games, metaverse world, etc.

DINX Node & DAO (Node incentive and governance system)

DINX introduces a Proof-of-Utility (PoU) consensus mechanism that dynamically allocates rewards based on storage/computing bandwidth contributions.

All nodes can participate in DINX DAO proposals and voting to achieve decentralized governance and protocol upgrades.

Provides node reputation scoring system, support for pledge and validator selection mechanism.

Intelligent payment and data exchange protocol

Use DINX tokens for unified payment and settlement within the ecosystem.

Data providers and users automatically exchange data and services through smart contracts to ensure

that data can be traced, cannot be repudiated, and does not require trust.

The ZK privacy protocol is introduced to ensure data privacy and payment security.

Multi-scenario ecological application (DINX App Layer)

Deep cooperation with DeFi platforms, NFT projects and AI tool providers to build a real data-driven DApp ecosystem.

We will launch application products such as "DINX Vault", "private cloud disk" and "Web3 AI workstation" for C-end users.

Support multiple links (such as Ethereum, BNB Chain, Solana, etc.) to achieve cross-chain interconnection of the ecosystem.

2. Three strategic stages of ecological development

Construction period (2025)

Completed the deployment of core technologies and the launch of DINX Storage 1.0;

Start the test network, node recruitment and preliminary DAO governance;

Develop developer ecosystem incentive program and open SDK/API interface.

Expansion period (2026-2027)

DINX Compute, ZK data transaction protocol online;

Launch the DINX official wallet and browser plug-in;

Strategic cooperation with AI data companies and edge device manufacturers;

Open up the market for commercial data and AI training.

Self-operation period (2028 and beyond)

DAO has fully mastered network governance, and the team role has transitioned to an ecosystem promoter;

Achieve the distribution of thousands of nodes and support of tens of thousands of DApps;

Supports multilingual, global deployment and becomes one of the core layers of Web3 infrastructure.

3. Ecological Vision

DINX is not just a token, but an entry point to the future. Through the deep integration of DePIN and Web3, DINX aims to:

Empowering personal data sovereignty;

Break the monopoly of centralized platforms;

Promote decentralized sharing of AI and data resources;

Build a trusted, secure and self-running digital society infrastructure.