

Chronos AI Community

NRX Token

(NRX)NeuraX Protocol

NeuraX is a protocol platform dedicated to the generalization and decentralization of artificial intelligence. It aims to reconstruct the global ecosystem of AI model training, data governance, and computing power exchange through blockchain technology. The core goal of NeuraX is to make the generation and distribution of AI value more open and fair, while providing ordinary users with accessible pathways to participate in AI-generated returns

NeuraX Protocol maps the key elements of artificial intelligence including data, models, computing power, and user behavior onto the blockchain. This creates a new intelligent asset economy and lays the foundation for the next phase of a collaborative Web3 AI network





Background and Vision

In recent years, artificial intelligence has become a major driving force behind global innovation. However, the current AI industry remains highly centralized. The training of AI models is largely controlled by a few tech corporations, data ownership is heavily imbalanced, and ordinary users have no access to the distribution of AI-generated value. Furthermore, the large-scale computing networks used to train mainstream models often exclude community nodes, resulting in inefficient resource utilization and restricted value flow

The core vision of NeuraX Protocol is to rebuild the mechanism of AI value generation on a technical level, to establish a decentralized collaboration model for AI governance, and to create a self-organizing and sustainable AI token incentive network on the economic level



Technical Architecture

NeuraChain

NeuraX operates on its own Layer-2 network, NeuraChain, which is built using zero-knowledge proofs and a parallel computing engine. This enables efficient and low-cost deployment of smart contracts, while supporting off-chain execution and on-chain recording of AI model training tasks.

Key features of NeuraChain include:

- Modular execution and verification of AI models

- Batch processing mechanism for high-frequency AI tasks

- Off-chain ZK-rollup support designed for data privacy

- Interoperability with multiple chains such as Ethereum, Arbitrum, and Polygon



Technical Architecture

NeuraNode Network(NRX)

NeuraNode is a core component of the NeuraX distributed computing network. Any operator with computational resources can participate in model training, validation, and inference services by deploying a NeuraX node. The node network uses an incentive-based structure to automatically allocate task workloads and supports elastic scalability

Technical Architecture

NeuraModel Contract System

- NeuraModel is an on-chain smart model container that defines the following elements:
 - Model parameter versions
- Sources of training data
 - Records of computing resource providers
 - Billing methods for inference calls
- A community-reviewed model lifecycle
 - Models can be iteratively upgraded or frozen and retired through on-chain governance, ensuring that AI outputs evolve in a controlled manner and are grounded in community consensus



Data and Privacy Protection Mechanism

NeuraX Protocol incorporates a built-in data sovereignty protection system, allowing users to upload their data to encrypted nodes while restricting access through smart contracts that enforce data access controls. The platform leverages homomorphic encryption and zero-knowledge proof technologies to ensure that data can be used for model training or contributed to data pools without exposing any sensitive information

Data assets can serve as proof of training contribution and are used in the revenue distribution process through a Proof-of-Contribution mechanism





Token-Driven Mechanism

- NeuraX introduces a smart compute-powered value distribution model that establishes a dual-incentive relationship between AI models and participants through three key mechanisms: Proof of Training, Proof of Inference, and Proof of Update
- Proof of Training: Compute nodes submit model training results. Upon on-chain verification, rewards are automatically generated
- Proof of Inference: Each time a model is called for inference, rewards are proportionally distributed based on usage volume
- Proof of Update: Contributors who provide new model versions or data refinement results can earn a share of the model's future revenue after passing a community vote
- This mechanism transforms AI models into sustainable, revenue-generating on-chain assets



Governance Mechanism

NeuraX adopts a two-tier governance structure:
Core protocol parameters and model version upgrades are managed by NeuraDAO through an on-chain voting mechanism
Ecosystem funds, development grants, and critical updates are proposed by the Technical Council and voted on by the Community Committee

NeuraX emphasizes collaborative governance among developers, node operators, data providers, and model maintainers, ensuring that all participants work together through shared consensus to drive the evolution of the network

Typical Use Cases

Crowdsourced AI Model Training Platform

- Enterprises or individuals can initiate AI training tasks, which are completed by the NeuraNode compute pool and returned with results. This avoids the risks associated with centralized model hosting

AI Model Financialization and Trading Marketplace

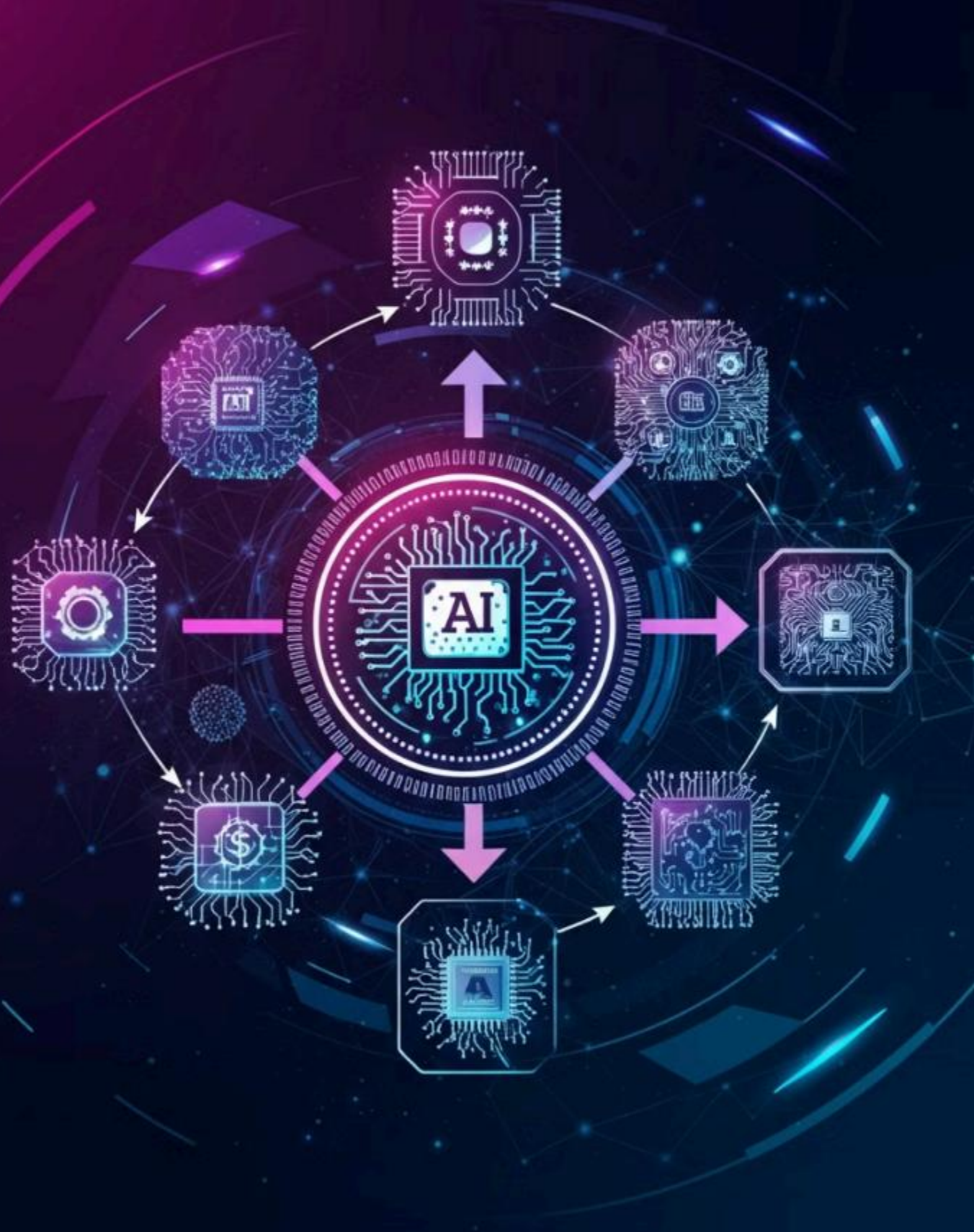
The community can mint fully trained AI models as NFTs on-chain and list them for trade. Buyers can access inference services by obtaining usage authorization

AI Plugin Layer for Web3 Platforms

- Projects can integrate NeuraX AI models to enable service modules such as intelligent customer support, on-chain data analytics, and content moderation

Federated Learning Platform for Edge Nodes

Household devices can contribute idle computing power to participate in edge-based AI training, enabling energy-efficient resource sharing and the commercialization of edge AI





Roadmap Overview (2024 – 2026)

Q3 2024:

Testnet launch

Initial node registration and model registration platform go live

Q4 2024:

Mainnet release

Launch of model training task system and compute power matching engine

Q1 2025:

Multi-chain integration with Polygon, Arbitrum, and BSC

Release of API layer SDK

Q3 2025:

NeuraModel trading marketplace goes live

Launch of the anonymous data sharing pool

Q1 2026:

Release of AI model insurance mechanism

Launch of inference result staking and verification module



Perspectivas futuras de Token de IA (NRX) - Continuado

NeuraX Protocol is a bold attempt to redefine the relationship between artificial intelligence and capital.

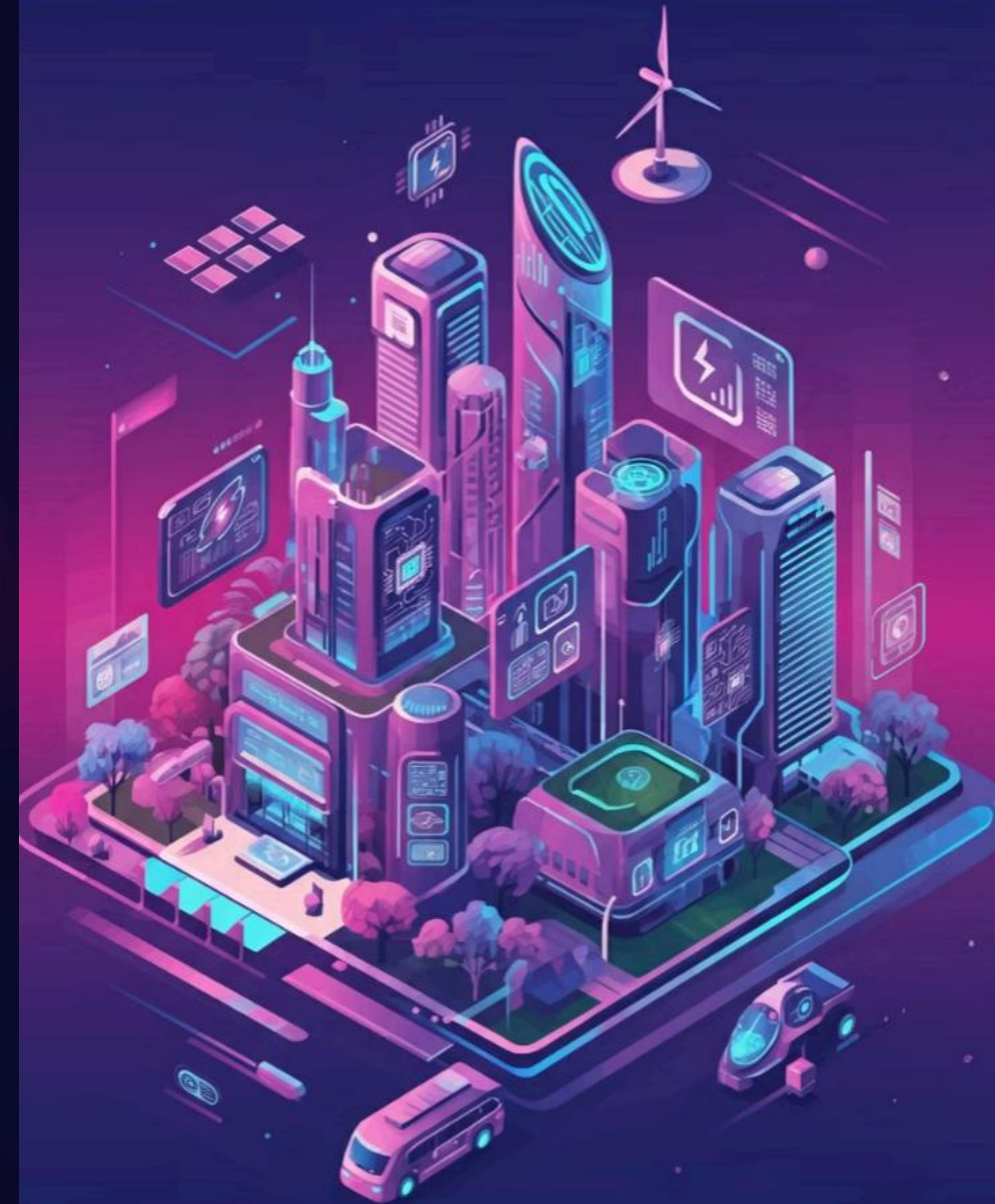
It aims not only to drive AI technology toward decentralization, verifiability, and collaborative governance but also to empower everyday users to recognize and engage with the concept of intelligent assets

We believe the future of AI should not be controlled by a handful of tech giants. Instead, it should be an open achievement built, shared, and contributed to by participants across the globe.

NeuraX is returning the future of artificial intelligence to everyone

Perspectivas futuras del token NRX (NeuraX) - Continuación

- Today, artificial intelligence is rapidly permeating every sector of society, yet the technological achievements and economic benefits remain heavily concentrated in the hands of a few institutions. We believe the future of AI should not be reserved for the privileged few
- NeuraX Protocol offers a new solution by leveraging on-chain model containers, distributed compute nodes, privacy-preserving data mechanisms, and decentralized governance to bring transparency and openness to AI training, usage, and value distribution
- NeuraX standardizes the core components of artificial intelligence including models, computing power, data, and inference activity into on-chain assets. Through intelligent incentive mechanisms, it connects all types of participants and ensures that everyone who contributes to the AI network receives fair and meaningful rewards



Technical and Ecosystem Highlights

1. **Proprietary Layer-2 network NeuraChain, enabling large-scale AI concurrency and low-latency data stream processing**
2. **NeuraNode distributed computing network with plug-and-play global nodes and automated resource scheduling**
3. **NeuraModel contract container standard, allowing models to be deployed, traded, and governed**
4. **Zero-knowledge proof-based privacy-preserving training system that ensures on-chain verifiability alongside off-chain encryption**
5. Multi-chain interoperability architecture supporting major ecosystems such as Ethereum, Arbitrum, and Polygon
6. Self-governing community organization NeuraDAO, driving long-term protocol development and ecosystem growth

Global Expansion Strategy for NRXecosystems

As the foundation for a decentralized AI economy, NeuraX Protocol is committed to building a globally integrated infrastructure that connects users, developers, and compute providers across regions. The global expansion path of NRX is designed to ensure scalability, inclusivity, and cross-border collaboration in the AI and Web3 ecosystems

NeuraX will begin by establishing high-performance NeuraNode clusters in key geographic regions including North America, Europe, Southeast Asia, and the Middle East. These nodes will serve as regional compute hubs, enabling localized AI training and inference while reducing latency and enhancing data compliance with local regulations





Join Us NeuraX is giving AI back to everyone

- We warmly invite developers, data scientists, AI entrepreneurs, Web3 users, and all individuals who are passionate about the future of artificial intelligence to take part in building and exploring NeuraX
- NeuraX is more than just a technical protocol. It is a response to one of the most important questions of our time: Who should own artificial intelligence?
 - Stay connected with us to receive real-time updates and important announcements
 - Artificial intelligence should be a productive tool for all of humanity, not a capital weapon controlled by a select few