🧠 What is Mind Network

Copy

Let us introduce Mind Network in one sentence, one paragraph and one article

TL;DR (One Sentence)

Mind Network ↗ is a pioneer FHE (Fully Homomorphic Encryption) infrastructure for a Fully Encrypted Web by enabling quantum-resistant, fully encrypted data and AI computation. It co-builds a Zero Trust Internet Protocol (HTTPZ) with industry leaders to enable trusted AI and onchain data computation as a new Web3 standard.

CRYP2NOVA

Archived copy · cryp2nova.com

One Paragraph Summary

Mind Network ↗ is pioneering FHE (Fully Homomorphic Encryption) Infra for a Fully Encrypted Web. Innovating FHE to empower universal end-to-end encryption for the whole industry, starting with AI, modular chains, gaming, asset management, and DePIN. Mind Network offers unique solutions to ensure data security, consensus security, and transaction security across key domains. Mind Network is backed by notable investors including Binance Labs, Cogitent, Hashkey, Animoca Brands, Chainlink, and has received two Ethereum Foundation Grants for its FHE research. Partnering with industry leaders like Zama ↗, Mind Network is building a fully encrypted infrastructure, committed to realising the vision of HTTPZ for the next generation internet.

Full Explanation

Mind Network ↗ is revolutionising Web3 and AI security by developing the first FHE (Fully Homomorphic Encryption) infrastructure, enabling true end-to-end encryption. Unlike conventional encryption methods, FHE allows computations on encrypted data without decryption, eliminating security vulnerabilities at every stage. This technology integrates seamlessly with Zero-Knowledge Proofs (ZK), Multi-Party Computation (MPC), and Trusted Execution Environments (TEE) to extend HTTPS into HTTPZ, a next-generation, fully encrypted transfer and processing framework.

Mind Network's mission is to create a zero-trust digital ecosystem where data remains encrypted throughout transmission and computation, ensuring the highest level of security for Web3 and AI applications.

Archived copy · cryp2nova.com

- The Web2 Security Gap: HTTPS encrypts data in transit but exposes it upon reaching servers. As of December 2022, over half of the top websites had adopted HTTPS, yet user data remains accessible to banks, tech giants, and cloud providers, leaving it vulnerable to breaches and surveillance.
- The Web3 Challenge: Decentralisation eliminates trusted intermediaries but introduces new security risks, requiring a paradigm shift in encryption and privacy protection.

Mind Network addresses these challenges with HTTPZ, a quantum-resistant, fully encrypted internet protocol that keeps data encrypted during storage, transfer, and computation—eliminating reliance on centralised entities. This innovation enhances security across AI, DeFi, DePin, RWA, gaming, and beyond.

Decentralised AI presents significant security challenges, as computations occur across distributed and potentially untrusted nodes, increasing risks of data leaks and manipulation. Mind Network enables secure AI computations on encrypted data using FHE, ensuring sensitive information remains protected even in decentralised environments.

By embedding HTTPZ into crypto-based AI, modular chains, secure voting, and DePin, Mind Network delivers the first productised FHE infrastructure for Web3, bringing encryption-first AI and blockchain solutions to life. Mind Network leads advancements in cross-chain security, fair consensus, and privacy-preserving AI, shaping the future of Trusted AI and encrypted computing.

Mind Network has raised $12.5 million ↗ in funding from Binance Labs, Cogitent, Hashkey, Animoca Brands, Chainlink, and other top investors. It has also received two Ethereum Foundation research grants for its breakthroughs in FHE cryptography.

Partnering with industry leaders such as Zama ↗, Mind Network is accelerating the adoption of FHE technology. It is the first project to implement TFHE-rs v1.0.0 ↗ (Zama's first production read FHE library) in real-world applications and has open-sourced multiple FHE-Rust codebases ↗, including, FCN (FHE Consensus Network), MindChain, Swarms-rust and so on.

Archived copy · cryp2nova.com

These contributions foster innovation in encrypted computing and advance the vision of a fully encrypted Web3 and AI ecosystem. With cutting-edge research, robust industry collaborations, and a commitment to open-source innovation, Mind Network is pioneering the future of encrypted computing. By making FHE-powered security accessible, it is setting new standards for privacy, security, and trust in the decentralised world.

Next
🔐 HTTPZ

Last updated 7 months ago

CRYP2NOVA

Archived copy · cryp2nova.com