Kaspa

Kaspa, the world's first blockDAG and the fastest, open-source, decentralized, and fully scalable Layer-1 to ever exist.

A digital ledger with parallel blocks and instant transaction confirmation – powered by a robust proof-of-work engine with rapid single-second block intervals.

Built by industry pioneers, led by the people.

TOP 5 EXCHANGES

BYBIT

KASPA AT A GLANCE

FAIR LAUNCH DATE
Nov 7, 2021

CONSENSUS
Proof of Work
BlockDAG

COMMUNITY GOVERNANCE

TICKER
KAS

BLOCK TIME
1 second

MAX SUPPLY
~28.7 B KAS

HASHING ALGORITHM
kHeavyHash

Supported Platforms

WEB WALLET
wallet.kaspanet.io

DESKTOP WALLET
kdx.app

kaspium

MOBILE WALLET
Google Play App Store

KASPA FEATURES

FASTEST TRANSACTIONS

Kaspa's BlockDAG technology enables unprecedented transaction speed, creating blocks every second allowing transactions to be written to the ledger near-instantly. Latest tests at 10bps.

SCALABLE

The blockDAG architecture of Kaspa allows handling vast transaction volumes, a unique feature for a truly decentralized proof-of-work network.

SECURITY

Kaspa maintains robust security and decentralization, similar to Bitcoin; enhancing efficiency with the kHeavyHash algorithm.

BLOCKDAG

Kaspa's BlockDAG structure solves the orphan block problem, allowing frequent block generation and flexible scalability with its unique consensus method.

GHOSTDAG

Kaspa improves upon the PHANTOM protocol with GhostDAG, a secure, efficient consensus mechanism ensuring reliable and irreversible transaction ordering.

INSTANT CONFIRMATION

Kaspa eradicates the long-standing issue of slow confirmations by ensuring transactions are visible in one second and fully confirmed in ten.

EFFICIENT PROOF-OF-WORK

Kaspa's choice of the kHeavyHash algorithm balances environmental concerns with mining efficiency, avoiding the energy waste of traditional PoW systems, and no wasted energy on orphan blocks.

GENERALIZED NAKAMOTO CONSENSUS

Kaspa's consensus engine is grounded in the mathematically proven security of Nakamoto's protocol, resisting centralization while ensuring reliability and security.

PRUNING

Kaspa's pruning strategy maintains a compact blockDAG, requiring minimal storage hardware, lowering the cost of entry, encouraging decentralization and inclusivity.

RUST

Kaspa was rewritten from **Go** to **Rust**. Rust language emphasizes performance, type safety, and concurrency; boosting Kaspa's overall potential speed to 10bps. This rewrite is an integral part of Kaspa's future goal of reaching 100bps!

UPCOMING

10 BLOCKS PER SECOND

SMART CONTRACTS

DAG KNIGHT PROTOCOL

ECOSYSTEM

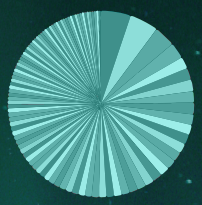
KRC-20

KRC-721

TRILEMMA SOLVED

Scalability • Security
Decentralization

WIDE COIN SPREAD



Top 100 addresses
(excluding exchanges)

FOUNDER

YONATAN SOMPOLINSKY
CS postdoc at Harvard

"I would like Kaspa to be more of a long-term contender for the open financial system, which Ethereum lives in, while keeping faithful to the fundamentals of a Satoshi system.... In a sense, it (Kaspa) aims to implement a vision which once upon a time was Bitcoin's vision."

KEF Kaspa Ecosystem Foundation
kaspafoundation.org

KASPA INDUSTRIAL INITIATIVE
kaspa-kii.org

kaspa.org