ARCSOFT

The Open Market Interface for On-Chain Finance

Abstract

Financial markets are becoming programmable.

As digital assets and tokenized financial instruments move onto public blockchain infrastructure, a new financial environment is emerging—one where assets can be discovered, analyzed, exchanged, combined, and managed through programmable systems.

Yet the experience remains fragmented.

Liquidity is distributed across different venues. Market information is scattered across multiple sources. Asset discovery often requires manual research. Portfolio management exists separately from execution. Users frequently move between applications simply to understand and interact with a market.

ArcSoft is designed to bring these experiences together.

ArcSoft is an on-chain market and liquidity platform that provides a unified environment for discovering supported assets, analyzing markets, accessing liquidity, managing positions, participating in liquidity markets, and interacting with programmable financial infrastructure.

The platform is designed around a simple objective:

> **Make on-chain markets easier to discover, understand, and access.**

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1. The ArcSoft Vision

The next generation of financial markets will increasingly operate across both traditional and blockchain-based infrastructure.

Digital assets, tokenized assets, stable-value assets, and other blockchain-based instruments can move through programmable financial systems.

ArcSoft is designed for this environment.

Rather than functioning as an isolated exchange, ArcSoft brings together the major components required to interact with on-chain markets:

Discovery.
Information.
Liquidity.
Execution.
Portfolio management.
Participation.

The result is an integrated market interface where users can move from discovering an asset to understanding its market and, where supported, interacting with it on-chain.

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2. What Is ArcSoft?

ArcSoft is a non-custodial on-chain market platform.

The platform provides a collection of interconnected services designed around digital and tokenized assets.

Core functionality includes:

- Asset discovery
- Market analytics
- On-chain trading
- Liquidity markets
- Portfolio tracking
- Curated asset collections
- Market intelligence
- Historical analysis
- Supply monitoring
- Ecosystem incentives
- Staking
- Community participation

ArcSoft does not require users to surrender custody of their assets simply to use the platform.

Where transactions are supported on-chain, users authorize them through their own wallets and settlement occurs through blockchain infrastructure.

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3. Open Blockchain Infrastructure

ArcSoft is designed to operate within open blockchain infrastructure.

The platform can interact with supported blockchain networks, smart contracts, wallets, liquidity venues, and other decentralized financial infrastructure.

This architecture allows ArcSoft to focus on the market experience rather than restricting users to a single type of financial application.

Where supported, users can interact with assets through their own wallets while blockchain networks provide the underlying settlement infrastructure.

ArcSoft is designed to remain compatible with open standards and the broader blockchain ecosystem.

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4. The ArcSoft Market

The primary interface of ArcSoft is the **Market**.

The Market acts as a searchable environment for supported on-chain assets.

Instead of requiring users to identify contracts manually and search multiple sources for information, ArcSoft organizes available assets into structured market profiles.

An asset profile may contain:

- Asset name
- Symbol
- Contract address
- Network
- Category
- Market price
- Market capitalization
- Trading volume
- Liquidity

- Supply information
- Historical performance
- Available markets
- Yield information where applicable
- Issuer information where applicable
- Documentation
- Relevant disclosures
- Verification information

The goal is to transform raw blockchain data into useful market context.

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5. Asset Intelligence

ArcSoft treats information as an integral part of the market experience.

Price alone does not explain an asset.

Users may need to understand:

- What the asset represents
- Where it originated
- How its supply works
- Where liquidity exists
- What contracts control it
- What external dependencies exist
- What information is publicly available
- How the market has behaved historically

ArcSoft's intelligence layer organizes these factors into a unified interface.

Information can be sourced from public blockchain data, project documentation, issuer disclosures, market infrastructure, and other publicly available sources.

ArcSoft does not treat the presence of information as a guarantee of accuracy.

Users remain responsible for evaluating information independently before making financial decisions.

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6. ArcSoft Registry

The **ArcSoft Registry** provides a structured reference layer for supported assets.

Assets are identified primarily through blockchain contract information rather than ticker symbols alone.

This distinction helps users differentiate between:

- Official deployments
- Unofficial copies
- Wrapped representations
- Multiple versions
- Similar symbols
- Assets deployed across different networks

Where technically possible, contract addresses and relevant blockchain information can be inspected independently.

ArcSoft is designed to improve asset discovery without replacing independent verification.

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7. Market Transparency

ArcSoft is built around observable information.

The platform may analyze publicly available data including:

- Token supply
- Holder distribution
- Contract activity
- Liquidity
- Trading volume
- Deployment history
- Transaction activity
- Published disclosures
- Reserve information where available

Where external claims are relevant, ArcSoft can distinguish between information derived directly from blockchain data and information provided by external parties.

This distinction matters.

> **Data is evidence, not certainty.**

An ArcSoft verification indicator does not guarantee the existence, value, solvency, redemption, or future performance of an underlying asset.

It communicates the level and source of information available to users.

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8. ArcSoft Exchange

ArcSoft provides an integrated interface for trading supported assets through on-chain liquidity.

Users can connect a compatible wallet and, where a market is available, exchange assets directly through supported liquidity infrastructure.

The trading interface can provide information such as:

- Current price
- Available liquidity
- Estimated execution
- Price impact
- Trading route
- Applicable fees
- Minimum received
- Transaction details

Users review and authorize transactions through their wallet.

The ArcSoft interface itself does not constitute custody of user funds.

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9. Liquidity Pools

Liquidity is the foundation of an active market.

ArcSoft enables eligible participants to contribute assets to supported liquidity pools.

A liquidity pool can allow traders to exchange one asset for another without relying on a traditional centralized order book.

Liquidity providers contribute assets to the pool and may receive a share of applicable trading fees.

Some pools may additionally participate in ArcSoft incentive programs.

Liquidity provision involves risk.

Potential risks include:

- Impermanent loss
- Asset volatility
- Smart-contract vulnerabilities
- Liquidity fluctuations
- Stable-asset depegging
- Market inefficiency
- Protocol risk

Liquidity should therefore be treated as an active market position.

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10. Liquidity Routing

Different markets can contain different levels of liquidity.

ArcSoft is designed to help users understand the available execution environment before signing a transaction.

Where multiple supported liquidity sources exist, the platform may compare available routes and display relevant execution information.

The objective is not simply to show the lowest quoted price.

A useful execution interface should also consider:

- Available depth
- Price impact
- Fees
- Route complexity
- Slippage
- Transaction costs

This allows users to evaluate the conditions surrounding a transaction before execution.

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11. Collections

Markets can become difficult to navigate as the number of available assets grows.

ArcSoft introduces **Collections** to organize assets around common themes.

A Collection can group assets according to:

- Sector
- Market category
- Geographic exposure
- Investment theme
- Asset type
- Yield characteristics
- Ecosystem
- Market behavior

Collections are designed for discovery and portfolio organization.

They do not necessarily represent pooled funds or collective investment vehicles.

Unless explicitly stated otherwise, purchasing an asset within a Collection means purchasing that individual asset rather than purchasing the Collection itself.

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12. Market Intelligence Center

ArcSoft includes analytical tools designed to provide a broader view of on-chain markets.

Market Scanner

Identify notable changes across supported assets.

Users can monitor changes in:

- Price
- Volume
- Liquidity
- Market capitalization
- Trading activity

Liquidity Monitor

Review available market depth and liquidity conditions.

Historical View

Explore historical price, volume, and market activity.

Supply Monitor

Observe changes in token supply and distribution.

Wallet Explorer

Analyze publicly visible blockchain activity associated with wallet addresses.

Market Map

Explore relationships between assets, categories, liquidity venues, and ecosystem participants.

Performance Analytics

Review historical asset behavior using clearly defined metrics.

These tools are intended for informational and analytical purposes.

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13. ArcSoft Terminal

ArcSoft is designed to accommodate both casual users and experienced market participants.

The **ArcSoft Terminal** provides a high-density interface for navigating markets efficiently.

Users can monitor:

- Asset prices
- Market activity
- Liquidity
- Watchlists
- Portfolio positions
- Trading opportunities
- Historical data

The Terminal is designed around the idea that advanced market information should remain accessible without requiring users to operate through multiple disconnected systems.

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14. ArcSoft Desktop

ArcSoft is also being developed as a dedicated desktop experience.

ArcSoft Desktop — Coming Soon

The desktop version is designed to provide a more focused environment for market monitoring, analytics, portfolio management, and on-chain interaction.

The desktop experience will extend the ArcSoft interface beyond the browser and provide users with a dedicated environment for navigating markets and managing their on-chain activities.

> **A dedicated ArcSoft desktop experience is coming soon.**

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15. Portfolio

ArcSoft provides a unified portfolio environment for supported on-chain assets.

Users can view:

- Wallet balances
- Portfolio value
- Asset allocation
- Historical performance
- Liquidity positions
- Staking positions
- Transaction history
- Individual asset exposure

Portfolio information is derived from blockchain activity and supported data sources.

The blockchain remains the underlying settlement layer.

ArcSoft provides the interface, organization, and analytics around that information.

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16. Ecosystem Participation

ArcSoft can support participation mechanisms designed to encourage useful ecosystem activity.

These mechanisms may include:

- Liquidity incentives
- Staking
- Community rewards
- Contributor programs
- Research initiatives
- Data contributions
- Ecosystem campaigns
- Governance participation where implemented

Participation mechanisms may vary according to platform configuration and applicable restrictions.

Rewards and incentives are not guaranteed returns.

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17. Contributor Network

Information becomes more valuable when more participants contribute to it.

ArcSoft can support a contributor ecosystem where users help improve the quality and coverage of market information.

Potential contributions include:

- Discovering new assets
- Researching asset structures
- Improving metadata
- Identifying market information
- Monitoring public blockchain activity
- Creating independent research
- Improving documentation
- Identifying inconsistencies

Eligible contributions may receive ecosystem rewards according to the applicable contributor framework.

Rewards are intended to encourage useful information and research rather than promotional activity.

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18. Governance

ArcSoft may support community participation in selected ecosystem decisions.

Where governance functionality is implemented, eligible participants may be able to participate in decisions concerning areas such as:

- Incentive allocation
- Supported ecosystem markets
- Treasury programs
- Community initiatives
- Protocol parameters
- Platform functionality

Governance powers are limited to areas controlled by ArcSoft's applicable infrastructure.

A governance process cannot override the legal obligations, restrictions, or decisions of an external issuer, custodian, transfer agent, or other independent entity.

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19. Self-Custody

ArcSoft is built around user-controlled wallets.

Users connect their compatible wallet and authorize transactions themselves.

This architecture means:

- Users retain control over private keys
- Transactions can be independently verified
- Assets remain on-chain
- Settlement is transparent
- Users can interact directly with supported contracts

Self-custody also creates responsibility.

Users are responsible for securing their private keys and wallet credentials.

Blockchain transactions may be irreversible.

ArcSoft cannot guarantee recovery of assets lost through compromised credentials, incorrect addresses, malicious approvals, or user error.

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20. Composable Markets

One of the defining properties of blockchain infrastructure is composability.

A token can potentially interact with multiple independent applications.

An asset discovered through ArcSoft may, depending on compatibility and external protocols, interact with:

- Decentralized exchanges
- Liquidity pools
- Lending systems
- Portfolio applications
- Wallets
- Structured products
- Analytics platforms
- Other smart contracts

ArcSoft is therefore designed as part of an open ecosystem rather than a closed financial environment.

The platform provides an interface through which users can discover and interact with compatible markets.

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21. Protocol Fees

Certain ArcSoft activities may generate fees.

Potential sources include:

- Trading fees
- Protocol fees
- Liquidity-related fees
- Premium platform services

- Other ecosystem services

Applicable fees may vary depending on the product, market, and platform configuration.

Users are responsible for blockchain network fees required to execute transactions.

Where technically possible, applicable costs are presented before transaction authorization.

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22. Transparency of Economics

ArcSoft aims to make platform economics understandable.

Where applicable, the platform may disclose:

- Fee structures
- Incentive allocations
- Treasury activity
- Staking parameters
- Governance decisions
- Contract addresses
- Protocol-owned liquidity
- Ecosystem distributions

The objective is to allow users to understand how the ecosystem operates rather than relying solely on promotional claims.

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23. Security Philosophy

Liquidity and financial infrastructure require strong security assumptions.

ArcSoft is designed around several principles.

Minimize Trust

Where possible, critical operations should rely on transparent blockchain mechanisms rather than undisclosed centralized processes.

Make Transactions Observable

Users should be able to verify important activity on-chain.

Separate Information From Claims

Platform-generated analytics should distinguish between blockchain observations and external assertions.

Disclose Risk

Users should understand that smart contracts, markets, assets, and external counterparties can fail.

Encourage Independent Verification

Users should be able to inspect contracts and relevant public information themselves.

No system can eliminate all technical or economic risk.

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24. Risk Disclosure

Participation in blockchain markets involves substantial risk.

Market Risk

Digital assets and tokenized assets may experience significant price volatility.

Liquidity Risk

A market may not contain enough liquidity to execute a transaction at an expected price.

Smart Contract Risk

Smart contracts can contain bugs, vulnerabilities, exploits, or unintended behavior.

Counterparty Risk

Certain assets may depend on issuers, custodians, administrators, or other external entities.

Regulatory Risk

The legal treatment of digital and tokenized assets differs between jurisdictions and may change over time.

Stable-Asset Risk

Stable-value assets may lose their intended value or experience liquidity disruptions.

Oracle Risk

Protocols relying on external data feeds may be affected by inaccurate, delayed, manipulated, or unavailable information.

Bridge Risk

Cross-network functionality can introduce additional technical and counterparty dependencies.

Governance Risk

Platform decisions may change economic parameters or ecosystem incentives.

Wallet Risk

Loss, theft, or compromise of private keys can result in permanent loss of assets.

Infrastructure Risk

Blockchain networks, RPC providers, wallets, interfaces, and other infrastructure can experience outages or disruptions.

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25. No Guaranteed Returns

ArcSoft does not guarantee financial performance.

Nothing on the platform should be interpreted as a promise that:

- A digital asset will appreciate
- Staking will generate profit
- Liquidity provision will generate profit
- A Collection will outperform the market
- Historical performance will continue
- A market will remain liquid

- Participation rewards will have a particular value

All financial activity involves risk.

Users should conduct independent research and consider their own circumstances before participating.

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26. Regulatory Considerations

ArcSoft is designed as blockchain infrastructure and is not intended to circumvent applicable laws or regulations.

Certain digital assets and financial activities may be subject to:

- Securities regulations
- Commodity regulations
- Tax obligations
- Transfer restrictions
- Geographic restrictions
- Eligibility requirements
- Licensing requirements
- Other legal limitations

Availability of specific assets or services may therefore vary by jurisdiction.

Users are responsible for understanding and complying with the laws applicable to them.

Nothing presented through ArcSoft constitutes legal, tax, investment, accounting, or financial advice.

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27. The ArcSoft Standard

ArcSoft is built around four core principles.

Access

Markets should be easier to discover and interact with.

Transparency

Users should be able to inspect the information behind an asset and the mechanics of the platform.

Liquidity

Useful markets require meaningful liquidity and efficient execution.

Composability

On-chain assets should be capable of interacting with a broader financial ecosystem.

Together, these principles define the ArcSoft approach.

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28. A New Market Interface

Traditional financial systems developed separate infrastructure for:

Trading.
Custody.
Research.
Settlement.
Portfolio management.
Market data.

Blockchain infrastructure allows these functions to become increasingly interconnected.

An asset can exist as programmable code.

A trade can settle automatically.

A portfolio can be tracked directly from public blockchain data.

Liquidity can be supplied by users.

Market information can be continuously updated.

Financial applications can interact with one another without relying on a single centralized database.

ArcSoft is designed around this convergence.

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29. The ArcSoft Thesis

The future of financial markets will not be defined solely by where assets are listed.

It will also be defined by how easily those assets can move through an open financial environment.

ArcSoft seeks to create that environment.

A place where users can:

Discover markets.
Understand assets.
Compare liquidity.
Execute transactions.
Manage positions.
Provide liquidity.
Participate in the ecosystem.

All through a unified on-chain interface.

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30. Conclusion

ArcSoft is an on-chain market and liquidity platform designed for the convergence of digital assets and tokenized financial markets.

The platform combines asset discovery, market intelligence, trading, liquidity, portfolio management, analytics, and ecosystem participation into a unified experience.

ArcSoft is designed to provide users with the tools required to discover markets, understand assets, evaluate liquidity, interact with on-chain infrastructure, and manage their positions through a single interface.

The platform is built around a simple principle:

> **Make markets easier to access, understand, and navigate.**

With its browser-based platform and a dedicated desktop experience coming soon, ArcSoft is designed to provide a unified interface for the evolving on-chain financial environment.

Markets move. ArcSoft connects them.

Disclaimer

This whitepaper describes the intended functionality and framework of ArcSoft.

It is provided for informational purposes only and does not constitute an offer to sell, solicitation to purchase, financial advice, investment advice, legal advice, tax advice, or a guarantee of future performance.

Digital assets and tokenized financial instruments involve substantial risk, including the potential loss of some or all value.

The availability of assets, trading markets, staking, governance, liquidity programs, rewards, desktop functionality, and other features may vary according to jurisdiction, technical availability, market conditions, and applicable restrictions.

Users are responsible for conducting their own research and complying with applicable laws and regulations.

Nothing contained in this document should be interpreted as a guarantee of financial performance or future results.