ZimX

White Paper

4. The ZimX Ecosystem

The ZimX Finance ecosystem is designed as an integrated system of platform components serving distinct functions within a cohesive cross-border payment infrastructure. Each component serves a specific role while interoperating with others to enable the intended user experience.

Operational Status

None of the components described in this section are operational at the time of writing. All descriptions represent design intent and planned functionality, conditional on regulatory permission, audit completion, and custody onboarding.

4.1 ZiGX Token — Settlement Instrument

ZiGX is designed as the stability foundation of the ZimX ecosystem: a fiat-backed digital settlement instrument intended to maintain one-to-one parity with the US Dollar.

Design Specifications

Reserve Backing: - Each ZiGX unit is designed to be backed by equivalent USD-denominated reserve value - Reserve backing maintained through full collateralisation, not algorithmic mechanisms - Reserve composition: USD deposits, institutional-grade stablecoins, cash equivalents - Over-collateralisation target: 102-105% to provide stability buffer

Supply Management: - Maximum supply cap: 1,000,000,000 ZiGX - Minting permitted only against verified reserve deposits - No hidden mint functions or administrative supply manipulation - Transparent on-chain supply tracking

Custody Structure: - Reserve assets held with third-party institutional custodians - ZimX Finance does not custody reserve assets - Multi-signature governance controls for reserve operations - Initial reserves designed to be secured until 2030

Non-Yielding: - ZiGX does not generate interest, yield, or returns - Functions as settlement instrument, not investment product - Value derived from reserve backing, not appreciation or income

Intended Role

ZiGX is designed to: - Provide stable value representation for cross-border transfers - Enable settlement between ecosystem participants - Support value storage with USD-denominated backing - Facilitate merchant payment acceptance without exchange rate volatility

ZiGX is not designed or marketed as: - A speculative asset or investment - A yield-generating instrument - A general-purpose cryptocurrency for trading - A replacement for regulated currency

4.2 ZIMX Token — Governance and Ecosystem Token

ZIMX is designed as the governance and ecosystem participation token within the ZimX platform.

Design Specifications

Fixed Supply: - Total supply: 1,000,000,000 ZIMX (fixed and immutable) - No mechanisms for additional minting, burning, or supply manipulation - Supply fixed at deployment through smart contract architecture

Intended Functions: - Governance participation in defined ecosystem parameters - Ecosystem incentive programmes (subject to regulatory constraints) - Community participation mechanisms

Explicit Exclusions: - ZIMX does not represent equity in any entity - ZIMX does not represent debt or obligation - ZIMX does not confer profit participation rights - ZIMX does not provide claims on ZiGX reserves or operating revenues - ZIMX plays no role in settlement or reserve backing

Distribution Framework

Allocation	Tokens	Percentage	Intended Purpose
Community Round	100M	10%	Initial distribution via planned presale
Platform Treasury	100M	10%	Multi-signature governance, staged release
Ecosystem Growth	200M	20%	Partnerships, incentives, ecosystem programmes
Liquidity Infrastructure	150M	15%	Exchange infrastructure where permitted
Team and Development	150M	15%	Subject to 5-year vesting, 1-year cliff
Long-Term Sustainability	300M	30%	Reserve expansion, future ecosystem funding

Vesting and lock-up provisions are enforced through smart contract mechanisms, subject to audit completion.

Governance Scope

Governance functions associated with ZIMX are designed to be introduced progressively and remain subject to regulatory considerations. Governance does not apply to: - Regulatory compliance decisions - Licensing matters - Reserve safeguarding decisions - Operational management responsibilities

These remain within corporate governance and regulatory obligations.

4.3 ZimX Wallet — User Interface

ZimX Wallet is designed as the primary user-facing interface for interacting with the ZimX ecosystem.

Design Specifications

Platform Availability (Intended): - iOS and Android mobile applications - Web-based interface - USSD/SMS fallback for feature phones

Core Functions (Intended): - Transfer initiation and receipt - Balance viewing and transaction history - Merchant payment execution - Conversion between ZIMX and ZiGX

Accessibility Features (Intended): - Multi-language support (English, Shona, Ndebele) - Simplified interface for non-technical users - Offline transaction queuing - Low data consumption design

Custody Clarification

ZimX Wallet is a custody interface, not a custodian. User assets are not held by ZimX Finance. ZimX Wallet provides an interface to assets held with third-party institutional custodians.

4.4 ZimX Pay — Merchant Integration

ZimX Pay is designed as the merchant-facing component enabling payment acceptance within the ZimX ecosystem.

Design Specifications

Acceptance Methods (Intended): - QR code-based payments - Point-of-sale integration - E-commerce API connectivity - USSD-based acceptance for basic infrastructure

Merchant Features (Intended): - Payment receipt with reduced processing time - Transaction history and reporting - Settlement to merchant accounts - Integration with existing merchant systems

Target Merchant Categories

The platform is designed to support: - Retail establishments (grocers, pharmacies, hardware) - Service providers (restaurants, salons, professional services) - Utility and education payments - E-commerce operators

Merchant onboarding is subject to regulatory permission and operational readiness.

4.5 ZimX Vault — Transparency and Reporting

ZimX Vault is designed as the transparency and oversight layer providing visibility into system operations.

Design Specifications

Reserve Transparency (Intended): - Real-time display of total reserve balances - Circulating ZiGX supply relative to reserves - Backing ratio verification (intended ≥100%) - Reserve composition breakdown

Supply Transparency (Intended): - ZIMX circulating vs locked supply - ZiGX minted supply vs maximum cap - Vesting schedule progress - Allocation category tracking

Audit Integration (Intended): - Independent audit results publication - Security assessment summaries - Reserve verification attestations - Historical audit archive

Regulatory Reporting (Intended): - Data feeds supporting regulatory oversight - Compliance reporting interfaces - Incident disclosure mechanisms

Verification Capability

ZimX Vault is designed to enable independent verification of reserve backing by users, regulators, and third parties through on-chain proof-of-reserves mechanisms.

4.6 Component Interaction (Design Intent)

Remittance Flow (Intended)

1. Sender initiates transfer through ZimX Wallet
2. Fiat value received and settled through regulated channels
3. ZiGX minted against received value (if reserve-backed instrument used)
4. Recipient receives notification in their ZimX Wallet
5. Recipient can utilise funds at ZimX Pay merchants or through payout partners
6. ZimX Vault records and displays transaction and reserve status

Merchant Payment Flow (Intended)

1. Customer initiates payment via ZimX Wallet at merchant

2. Merchant displays QR code or enters amount
3. Customer confirms payment
4. Merchant receives settlement confirmation
5. Transaction recorded on-chain
6. ZimX Vault updates aggregate statistics

Value Conversion Flow (Intended)

1. User holds ZIMX or ZiGX in wallet
2. User initiates conversion through wallet interface
3. Conversion executed at prevailing rates
4. New balance reflected in wallet
5. Supply adjustments recorded on-chain

4.7 Technical Foundation

Blockchain Infrastructure

The platform is designed to operate on Base (Ethereum Layer 2), selected for:
- Security inheritance from Ethereum mainnet - Cost efficiency for transaction processing - Compatibility with established tooling and custody solutions - Institutional credibility

Final network selection remains subject to audit outcomes, custody compatibility, and regulatory considerations.

Smart Contract Framework

Core functionality is designed to be implemented through audited smart contracts:
- ZIMX token contract (ERC-20 standard)
- ZiGX token contract with reserve-minting controls - Treasury and governance contracts with multi-signature requirements
- Vesting contracts enforcing allocation schedules

All smart contracts are subject to independent audit before deployment.

4.8 Operational Constraints

Regulatory Dependency

All ecosystem functionality is dependent on regulatory permission in relevant jurisdictions. ZimX Finance does not operate, and does not intend to operate, outside the scope of regulatory permissions.

Audit Dependency

No smart contracts are deployed until independent security audits are completed and any identified issues remediated.

Custody Dependency

ZiGX issuance requires successful onboarding with institutional custody providers. Failure to secure custody arrangements prevents ZiGX issuance.

Partner Dependency

Full ecosystem functionality requires integration with payout partners, banks, and mobile operators. No integration agreements are guaranteed.

4.9 Explicit Exclusions

The ZimX ecosystem does not include:
- Lending or credit products - Yield-bearing accounts or interest generation - Algorithmic or partially-backed stablecoin mechanisms - Permissionless issuance or redemption - Retail trading functionality - Decentralised finance (DeFi) integrations

Any future expansion of scope would be subject to separate regulatory review and approval.

The ecosystem design is integrated and purpose-built. All components serve defined functions within a compliance-first framework. All functionality described is contingent on regulatory permission, audit completion, and custody readiness.