DENDRITES (DNDX) — LITEPAPER v1.1 (FINAL)

A Trust Layer for Global Digital Money

(Forward-Looking. Non-Binding. Subject to Change.)

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1. Introduction

Blockchain made money programmable — but it never made it usable.

Fees jump unpredictably.
Mistakes are irreversible.
Refunds are manual and messy.
Escrow is primitive.
Businesses cannot adopt crypto without building a complicated settlement stack.
Users fear sending money because one wrong click loses everything.

Dendrites (DNDX) is being designed to fix this by creating the trust, safety, and predictability layer that digital money has been missing.

This Litepaper outlines our vision, intended architecture, and planned direction.
All information is forward-looking and may evolve as development progresses.

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2. The Problem

Current blockchain payments suffer from:

- unpredictable fee spikes

- no undo or protection

- irreversible errors

- complex dispute/refund workflows

- lack of commercial settlement logic

- poor UX for mainstream users

- businesses unable to integrate crypto safely

- developers rewriting basic payment logic every time

Crypto is powerful —
but still too unsafe for real-world usage.

Dendrites aims to bring stability, safety, and structure into the experience.

3. The Dendrites Approach

Dendrites is being designed as a commercial-grade trust layer that sits on top of blockchain rails and adds:

- predictable fees
- structured workflows
- safe payment flows
- programmable escrow
- dispute protection
- refund logic
- auditability
- business-ready APIs

The following components are planned, not guaranteed, and may evolve:

3.1 Predictable Gas™ (Planned)

A system aimed to provide pre-quoted fee bands so users know the transaction cost before sending.

3.2 SLA Credits (Planned)

If fees exceed the quoted band, the protocol intends to issue fee-offset credits for future use.
These credits are not cash, not refunds, not insurance — only protocol offsets.

3.3 SafetySend (UNDO) (Planned)

A short window allowing the sender to reverse a transaction before it finalizes.

3.4 APP Escrow — Adaptive Programmable Payments (Planned)

A programmable escrow system for:

- milestones

- approvals

- partial releases

- conditional refunds

- delivery-based unlocks

- structured settlement flows

3.5 AckPay (Planned)

A confirmation-based payment flow where funds release only after the receiver acknowledges receipt or completion.

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4. Universal Access

Dendrites is intended to be usable by:

- individuals

- apps

- wallets

- businesses

- marketplaces

- fintech builders

- platforms

Anyone who touches money should be able to integrate or benefit from Dendrites.

No category restrictions.
No gatekeeping.
One trust layer for all.

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5. Developer SDK (Planned)

A simple, universal SDK is planned to allow apps and businesses to integrate crypto payments with:

- predictable fee bands

- escrow creation

- refund logic

- undo windows

- receipt & status tracking

- payout flows

- merchant workflows

- event webhooks

The goal is to make integrating crypto as simple as modern fintech APIs, but powered by decentralized rails.

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6. Testnets (Planned to Launch Before Presales)

To ensure transparency, credibility, and community participation, public and/or controlled testnets are planned to go live before Presale-1.

These testnets aim to allow:

6.1 Community Testing

Hands-on exploration of demo flows like Predictable Gas™, SafetySend, and APP Escrow prototypes.

6.2 Developer & Business Onboarding

Early trial of APIs, SDK features, and sample payment flows.

6.3 Transparency & Trust

Users can see and test early versions before any token-related activity occurs.

6.4 Security & Audit Preparation

Stress simulations, technical validation, and pre-audit readiness.

Testnets carry no financial functionality.

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7. Mainnet Launch (Planned After Presales)

Mainnet is planned to launch after Presale-1 and Presale-2, subject to:

- testing

- audit results

- technical readiness

- regulatory considerations

- ecosystem progress

The current intended mainnet launch stack includes:

- Predictable Gas™

- SafetySend

- APP Escrow

- AckPay

- SLA Credits

- Dashboard v1

- Developer SDK v1

- Early merchant integrations

These items are not guaranteed and may shift based on testnet results and ecosystem needs.

8. DNDX Token (Utility Vision)

The DNDX token is intended to be the coordination and utility asset of the protocol.

Planned areas of utility:

- Accessing Predictable Gas™ fee bands

- SLA credit logic

- Escrow operations

- Priority routing

- Developer tiers & ecosystem access

- Future governance (if implemented)

Nothing described here constitutes financial promises, yields, profits, or guarantees.

9. Tokenomics (High-Level Overview)

Total Supply: 7,600,000,000 DNDX
Supply Type: Fixed, non-inflationary

High-level allocation:

- Sale & Strategic: 24%

- Founder: 20% (multi-year cliffs + vesting)

- Team & ESOP: 8% (multi-year cliffs + vesting)

- Community Rewards: 12%

- Ecosystem: 12%

- Liquidity: 8%

- Treasury & Safety: 16%

Full details are provided in the separate Tokenomics document.

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10. Roadmap (High-Level, Forward-Looking, Subject to Change)

We are actively refining the detailed roadmap for Dendrites.
Based on the current development direction, the intended phases are:

Phase 0 — Testnets (Planned Before Presales)

Goal: transparency, community testing, developer onboarding, non-financial experiments.

Phase 1 — Presale Preparation & Ecosystem Bootstrap

Goal: documentation, partnerships, initial community, Presale-1 and Presale-2.

Phase 2 — Mainnet Launch (Post-Presales)

Goal: initial release of core modules like Predictable Gas™, SafetySend, APP Escrow, AckPay, SLA Credits, and SDK v1.

Phase 3 — Ecosystem Tools & Integrations

Goal: marketplace components, merchant plugins, payout engines, deeper SDK modules.

Phase 4 — Global Commerce Layer

Goal: cross-rail routing (inPay), advanced settlement engines, fraud/risk modules.

Phase 5 — SRL (Stamp & Receipt Layer) — Long-Term Vision

Goal: R&D toward a commerce-optimized chain lane with stable inclusion guarantees and receipt-driven settlement.

All phases are non-binding and may change.

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11. Closing

Dendrites aims to provide the safety, predictability, and programmability that modern digital money requires.

This Litepaper sets forth our intentions, not commitments or guarantees.

Our mission is simple:

Build the trust layer digital money has always needed —
safe, predictable, programmable, for everyone.

⚠️ 12. Disclaimer

This Litepaper is an informational, forward-looking overview of the Dendrites (DNDX) protocol as it is currently envisioned.
All features, utilities, timelines, and phases are subject to change.
Nothing in this document constitutes investment advice, financial promotion, token sale terms, or a guarantee of returns, performance, or listings.
Any future token-related activity will be governed by separate, jurisdiction-specific legal terms.