

MANDU Official Whitepaper (by NOVA LAB)

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1. Abstract

MANDU is a BEP-20 utility token developed by **NOVA LAB (Tokyo, Japan)** to bridge communication, payment, and blockchain into one unified ecosystem. Within the **Mandu Messenger**, users can send, gift, and shop using MANDU tokens, while **UB Pay** enables real-world payments through fiat currency and provides MANDU rewards. The ultimate goal is to create a platform that **seamlessly connects crypto with daily life** — making digital currency simple, inclusive, and borderless.

2. Vision & Philosophy

MANDU aims to be a token **used naturally in everyday life** — not just held for speculation. Users can interact, purchase, and exchange value within the messenger. UB Pay allows real-world payments in fiat while rewarding users with MANDU tokens. Through this structure, MANDU realizes the concept that **“the crypto economy = the real economy.”**

3. Market Context & Opportunity

Today’s mobile payment systems are fragmented and highly device-dependent. While Korea’s digital economy is already mature, Japan’s fintech sector is just entering rapid expansion.

As a **Korean company that has expanded into Japan**, NOVA LAB is positioned as a cross-border bridge between the two markets.

Therefore, the MANDU Project has strong potential to become a **core player in Japan–Korea fintech cooperation**.

4. Ecosystem Structure

- **MANDU Token:** The core asset powering the messenger, marketplace, and UB Pay reward conversion.
- **Mandu Messenger:** Integrated wallet, P2P transfers, token gifting, and community commerce.

- **UB Pay:** Merchant payment system that processes fiat transactions and converts part of merchant fees into MANDU rewards.
- **MANDU Guard Pool:** 15 % of collected fees are burned; another 15 % are allocated to a stabilization reserve.

5. Tokenomics

Category	Allocation	Purpose
Team & Founders	30 %	Core development & operational incentives (12–24 mo vesting)
Marketing & Partnerships	10 %	Branding, community expansion, collaborations
Reserve / Treasury	10 %	Future development, contingency funds
Liquidity & Exchange	40 %	PancakeSwap / DEX liquidity pools
Advisors / Compliance	5 %	Legal, audit, and technical advisory (12 mo vesting)
Public Sale	5 %	Future investor or community sale allocation
Total Supply: 80,000,000 MANDU (Expandable through phased issuance)		

6. Technical Architecture

MANDU operates on a **hybrid on/off-chain infrastructure**.

Inside the messenger, token balances move off-chain for instant user experience. Actual blockchain transfers occur only when users withdraw to external wallets from NOVA LAB's treasury.

UB Pay serves as the fiat-payment layer synchronized with messenger accounts. All personal and transaction data are encrypted and isolated, compliant with Japan's APPI and Korea's PIPA privacy regulations.

7. Roadmap

Phase	Period	Milestone	Status
Phase 1 — Token Launch	Q4 2025	Token deployment, BscScan verification, official website	✓ Live
Phase 2 — Community & Branding	Q1–Q2 2026	SNS expansion, partnerships, marketing initiatives	Planned
Phase 3 — Messenger Launch	Q4 2026	P2P features, UX optimization	Planned
Phase 4 — UB Pay Integration	Q3–Q4 2027	Merchant settlement, reward system	Planned
Phase 5 — DAO Governance	2028 +	Decentralized voting and treasury management	Planned

8. Transparency & Governance

- All company-held tokens are **locked** and released gradually; wallet addresses and TX hashes are public.
 - **Monthly reports** disclose token movements, expenses, and development progress.
 - **Community proposals** are reviewed before any new issuance or policy changes; final decisions are disclosed by NOVA LAB.
 - Future **staking participants** within the messenger will obtain DAO voting rights for governance proposals.
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9. Risk & Compliance

- MANDU is a **utility token**, not a security or investment product.
- The project provides **no guarantees** regarding price or liquidity.
- All statements follow BscScan's factual-only disclosure policy to avoid misleading claims.
- **Security audits** will precede major updates; no raw biometric data is stored.

- The **MANDU Guard Pool** acts as a stabilization mechanism to mitigate volatility.

10. Disclaimer

This whitepaper provides a technical and operational overview of the MANDU Project and does not constitute any investment solicitation or legal commitment.

Participants must comply with their local financial regulations and tax laws.

NOVA LAB offers no guarantees of future value or profit.

The whitepaper may be updated to reflect technological or regulatory changes; all revisions will be publicly logged for transparency.