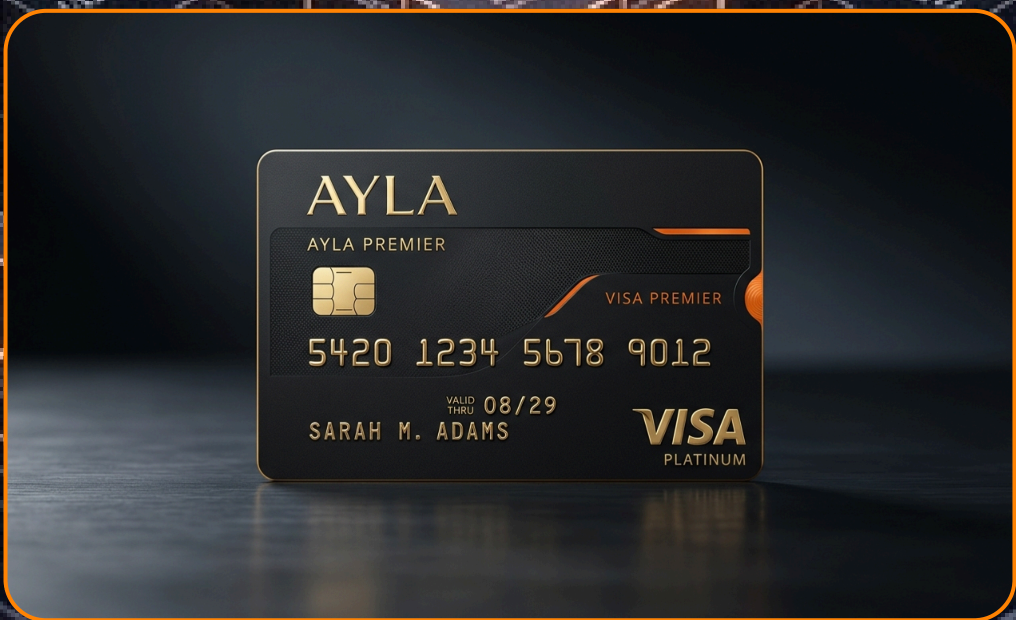
AYLA GLOBAL (Cayman Islands)

WHITE PAPER · v1.0 · SUMMARY

AAG

AI Augmented Growth

The First VISA-integrated Crypto Card with Asymmetric Payment Price Mechanism



NOTICE · Summary Edition

A summary for exchange listing review and prospective token holders. For technical, operational, and legal detail, see the full AAG Whitepaper v1.5.

ISSUER	VERSION	DATE
Ayla Global	**v1.0**	**2026.04**
Cayman Islands	Summary Edition	April 2026

CONTENTS

Inside this whitepaper

Thirteen sections on AAG, Ayla's VISA-integrated crypto card, and APPM (Asymmetric Payment Price Mechanism), covering structure, tokenomics, roadmap, and risk.

READ NEXT

This is the summary edition. For full technical specs, tokenomics tables, and legal notices, see AAG Whitepaper v1.5.

aag.aylaglobal.com/whitepaper ↗

CHAPTER 01

Executive Summary

VALUE PROPOSITION

The more the card is used, the stronger the token. A Web3 crypto card with a dual-token architecture and APPM — structural price defense built in.

AAG is a BEP-20 utility token on BNB Smart Chain and the base asset of the Ayla Crypto Card ecosystem. Paired with a prepaid card usable across the Visa global network (200+ countries), it delivers payment utility for users and long-term holding utility for token holders.

Key Differentiators

DIFFERENTIATOR	DESCRIPTION
Dual-Token Structure	Credit AAG (off-chain payments) is separated from Exchange AAG (on-chain trading). Card use does not create exchange sell pressure.
APPM Price Defense	Three layers: top-up bonus buybacks, 90-day VWAP floor, and Recycling Policy. Patents pending in Korea (3 filings, 46 claims).
Visa Infrastructure Secured	Card issuance and payment processing partnerships are signed; live payment is now achievable.
Cayman Islands Entity	Operates legally under the CIMA VASPA framework.
Negative Effective Fee	2.2% cashback exceeds card infrastructure fees, so the user's effective cost falls below zero.

Key Facts

FIELD	VALUE
Token Name	AAG (AI Augmented Growth)
Symbol	AAG
Standard	BEP-20 (BNB Smart Chain) + ERC-20 Bridge (Phase 2)
Total Supply	1,000,000,000 AAG (Fixed Initial Supply)
Decimals	18
TGE Reference Price	$0.33 USD
TGE Date	May 2026 (planned)
Token Type	Utility Token
Issuing Entity	Ayla Global (Cayman Islands)

GLOBAL
200+
Visa-accepting countries

TGE
$0.33
Reference Price (2026.05)

SUPPLY
1B
Fixed total supply (BEP-20)

PATENTS
46
Claims in 3 pending Korean patent filings

CHAPTER 02

The Problem We Solve

Where today's crypto cards fall short

> *Crypto payments have already gone mainstream. But existing solutions carry a structural flaw — the more you use them, the more you lose.*

2.1 Market Opportunity

Market Opportunity

The crypto payment market is scaling fast.

Global crypto payment card market (2025)	**~$15B** Source: Markets and Markets, 2025
Annual growth rate (forecast to 2030)	**25%+** CAGR 2025–2030 forecast
Global crypto holders (2025)	**~560M** Source: Triple-A Crypto Ownership Report

** Aggregated from multiple market research sources.*

2.2 Two structural flaws of existing crypto cards

TWO STRUCTURAL PROBLEMS

① The "Payment = Sell" Paradox

Today's crypto cards auto-sell tokens to fiat at every transaction. The more they're used, the more sell pressure builds, and the token price faces structural downside.

VICIOUS CYCLE

Card spend → Token sell → Sell pressure ↑

Token price ↓ → Demand ↓ → Ecosystem shrinks

Reward value ↓ → Users churn

② Unreasonably high fees

Most crypto cards stack multiple fees on the user. Per-transaction costs cancel out the rewards, leaving no real benefit.

TYPICAL FEES

Conversion	2.0 - 3.0%
Network	$2 - $20
FX	1.5 - 2.5%
Issuance / Annual fee	$50 - $500

SELL PRESSURE	REAL COST	MARKET GAP
100%	**5-8%**	**0%**
Tokens sold per transaction	Stacked fees per transaction	Cards solving both problems

CONCLUSION

"The market is ready, but cards that solve both still sit at 0%."

CHAPTER 03

The Ayla Solution

VISA Crypto Card + AAG

3.1 Vision VISION

A world where crypto becomes a natural everyday payment method.
An ecosystem where the act of payment doesn't erode token value but reinforces it.

3.2 Business Structure BUSINESS STRUCTURE

01 CUSTOMER		02 OPERATOR		03 INFRASTRUCTURE		04 GLOBAL
Customer	›	**AYLA Global (Cayman)**	› USDT	**Proven card infrastructure**	›	**Visa global network**
Card user		App, token, treasury ops		Visa-licensed partner		200+ countries · merchants

AYLA focuses on token and app operations; card issuance, Visa settlement, and fiat handling are delegated to licensed partners. This bypasses licensing barriers and gives immediate access to global payment infrastructure.

3.3 Five revenue streams

FIVE REVENUE STREAMS

1	**Annual card fee** Standard ₩150K / Platinum ₩2.5M / Black ₩5M	Annual Fee
2	**OTC Spread** 0.3–0.5% spread on in-app AAG purchases	OTC Spread
3	**Top-up fee** Exchange AAG 0.5% / USDT 1% (Credit AAG free)	Load Fee
4	**Interchange share** Share of Visa transaction fees from the card partner	Interchange
5	**Treasury yield** Conservative yield on excess settlement reserves	Treasury

REVENUE PHILOSOPHY

Funded by real card usage, not by inflationary token issuance.

CHAPTER 04

AAG Token Overview

Dual-token architecture

4.1 Dual-token structure DUAL TOKEN STRUCTURE

Field	Credit AAG	Exchange AAG
Storage	Ayla backend DB (off-chain)	BNB Smart Chain (On-chain, BEP-20)
Use	Card payments only	Trading, staking, payments, rewards
Pricing basis	90-day VWAP lock-in	Market price
Transfers	Disabled (in-app only)	Free (wallets, exchanges)
Exchange listing	Not listed	Listed
Collateral	USDT/USDC 1:1 담보	— (market-priced)

This separation gives spenders stability against price volatility, while traders and holders keep open market access.

4.2 Three payment paths THREE PAYMENT PATHS

All three paths are compatible with APPM (Asymmetric Payment Price Mechanism).

Path	Fee	Exchange sell impact
Credit AAG payment	0%	None (off-chain)
Exchange AAG payment	0.5%	**None (recycled via Recycling Policy)**
USDT direct payment	1%	None (token-independent)

ZERO SELL PRESSURE

All three paths produce zero exchange sell pressure.

CHAPTER 05

APPM

Asymmetric Payment Price Mechanism

5.1 Design philosophy DESIGN PHILOSOPHY

Structural design, not price defense

APPM doesn't intervene in the market directly. It's structured so card use naturally creates buy-side demand, which produces the price-defense effect.

Asymmetric — floor without ceiling

Price drops trigger buying incentives; price rises don't trigger any structural sell pressure.

5.2 Three-layer architecture THREE-LAYER ARCHITECTURE

LAYER 1 **Top-up bonus buyback engine** ~95%

4–8% bonus on card top-up; once the bonus pool is depleted, the protocol buys directly from exchanges.

LAYER 2 **Asymmetric VWAP Floor** ~5%

90-day VWAP as reference; when market price falls below VWAP, spenders are nudged into voluntary arbitrage buying.

ACCELERATOR **Effective supply reduction**

30% non-circulating treasury + vesting + staking + 21-day unbonding → S_eff drops.

5.3 Recycling Policy GOVERNANCE FOR EXCHANGE AAG RECOVERY

Tokens collected via Exchange AAG payments aren't immediately sold on exchanges; they cycle within the ecosystem in this priority:

01 Staking reward funding (priority)

02 Top-up bonus pool refill

03 Long-term treasury holding (reduces S_eff)

04 OTC sale only at premium (market ≥ VWAP_90 only, tranched OTC)

OFF-EXCHANGE RETENTION

Exchange AAG payment is not an exchange sale — it's a recovery by Ayla. More card usage strengthens token utility and stability.

CHAPTER 05 · CONTINUED

5.4 Dual utility cycle DUAL UTILITY CYCLE

01 Payment utility — Credit AAG cashback brings effective fee ≤ 0

02 Card user growth

03 APPM buy engine + Recycling kicks in

04 Effective supply drops, token utility rises

05 Holding utility — staking, payments, ecosystem use

06 Holding demand grows → payment utility strengthens → cycle restarts ↻

This describes the token's utility structure and promises no investment return. Token price is set by the market.

5.5 Patent protection PATENT PROTECTION

Area	Claims	Status
APPM asymmetric price stabilization method	~16	Filing prep (Korea)
Tier-based bonus rate optimization (non-linear contribution)	~14	Filing prep (Korea)
Dual-token-based payment system	~16	Filing prep (Korea)

PATENT PORTFOLIO

Three filings, 46 claims total — Korea first, then PCT international.

03	46	KR + PCT
PATENT FAMILIES	TOTAL CLAIMS	FILING SCOPE

CHAPTER 06

Tokenomics

Token economics

6.1 Token distribution

TOTAL 1B AAG · DISTRIBUTION

1B AAG distributed across 10 pools. Treasury 30% non-circulating; most allocations are under long-term vesting lock-ups.

Pool	Share	Amount	Release
Ayla Treasury Reserve	30%	300M	Non-circulating (strategic; disclosed before use)
Founder	15%	150M	6-month cliff + 48-month linear vesting
Staking Rewards	15%	150M	Released as rewards are paid
In-app OTC sale	10%	100M	Phased release based on demand
Team & Advisors	10%	100M	6-month cliff + 36-month linear
Marketing	5%	50M	Released per campaign
Exchange Liquidity	5%	50M	Deployed at listing
Charge Bonus Pool	5%	50M	Top-up bonus, 6-month vesting
Investors (Seed + Public)	3%	30M	Vesting per round
Investors (Private)	2%	20M	Immediate
Total	**100%**	**1B**	TOTAL SUPPLY

LOCK-UP STRUCTURE

75% locked under vesting — Treasury 30% + Founder 15% + Staking 15% + Team 10% + Charge Bonus 5%. Only 7% is immediately circulating (Liquidity 5% + Private 2%).

ALLOCATION VISUALIZATION

Treasury 30% (largest pool)

Private 2% (smallest, immediate)

CHAPTER 06 · CONTINUED

6.2 Vesting schedule VESTING SCHEDULE

Recipient	Cliff	Vesting period	TGE unlock
Founder	6 months	48-month linear	0%
Team & Advisors	6 months	36-month linear	0%
Seed Investors	6 months	24-month linear	0%
Private Investors	None	None	100%
Public Investors	None	6-month linear	20%
Charge Bonus Pool	None	6-month equal release	0%

6.3 Reserve-Backed Minting MINT SAFETY

Additional issuance is not for inflation — it covers shortfalls in bonus, cashback, and staking pools as card sales grow. Four safeguards govern any new mint.

01 Annual cap 10%
Hard-coded into the smart contract; the cap cannot be exceeded under any circumstance.

02 Multi-sig approval
Multiple key-holder signatures required. No single party can mint unilaterally.

03 30-day timelock
30-day review window after approval. The community can object before execution.

04 Mandatory disclosure
Every mint event is disclosed in advance — transparent and predictable.

10%	MULTI-SIG	30 DAYS	100%
ANNUAL CAP	APPROVAL	TIMELOCK	DISCLOSURE

CHAPTER 07

Card Tier System

Card tier system — 3-tier structure

Three tiers: Standard, Platinum, and Black. Platinum and Black are capped at 1,000 cards each; deposits are fully returned as Credit AAG and usable for card payments.

Field	Standard	Platinum	Black
Annual fee	₩150,000 (~$120)	₩2,500,000 (~$1,920)	₩5,000,000 (~$3,850)
Eligibility (deposit)	None	₩50,000,000 (~$38,500)	₩100,000,000 (~$77,000)
Issuance	Unlimited	1,000 cards	1,000 cards
Card material	Plastic	Metal	Metal (limited edition)
Deposit handling	—	100% Credit AAG	100% Credit AAG
Top-up bonus	4% Exchange AAG	6% Exchange AAG	8% Exchange AAG
Cashback	2.2% Credit AAG	2.2% Credit AAG	2.2% Credit AAG
Staking cap APR	6%	10%	12%
Membership	Renewed via annual fee	Lifetime (status)	Lifetime (status)
Extras	Standard payments	Luxury gifts, concierge	+ VIP insurance & more

DEPOSIT IS NOT A FEE

The deposit is not a card purchase fee — it is fully returned as Credit AAG. Users can spend the entire deposited amount on card payments, and the 1,000-card limited membership status is held for life, regardless of deposit balance.

STANDARD	PLATINUM	BLACK
4% · 6%	6% · 10%	8% · 12%

CHAPTER 08

Roadmap & Listing Plan

Phased execution — 2026 Q1 → 2027+

01	02	03
2026 Q1-Q2	2026 Q3-Q4	2027~
FOUNDATION	LAUNCH	GROWTH

PHASE 01 · FOUNDATION

2026 Q1 — Q2

- ✓ Cayman Islands entity established
- ✓ APPM mechanism design complete
- ✓ Card infrastructure partnership signed
- ○ Smart contract development + external audit
- ○ First CEX listing in discussion (BingX et al.)
- ★ **May 2026 — First CEX listing (TGE $0.33)**

PHASE 02 · LAUNCH

2026 Q3 — Q4

- ★ **Jun 2026 — Black + Standard card issuance begins**
- ★ **Sep 2026 — Platinum card issuance begins**
- ★ **Sep 2026 — Second CEX listing, expanded liquidity**
- ○ Staking system live (Profit-Share Cap APR)
- ○ Reserve-Backed Minting contract live

PHASE 03 · GROWTH

2027 — ONWARDS

- ○ Collateralized lending system launched
- ○ Additional global CEX listings
- ○ ERC-20 bridge (LayerZero etc. under review)
- ○ Korea market entry (via existing VASP partnership)
- ○ Multi-language, multi-region expansion

CHAPTER 09

Technology & Security

Architecture and security design

9.1 System architecture

FOUR-LAYER ARCHITECTURE

1	**MOBILE APP**	Wallet · Top-up · Staking · OTC UI
2	**BACKEND API**	Credit AAG ledger · Swap · VWAP · Cashback · Treasury monitoring
3	**SMART CONTRACTS**	BNB Smart Chain — AAG Token / Vesting / Staking / Minting
4	**EXTERNAL**	Card infra · MoonPay · CEX integration

9.2 Smart contract stack

SMART CONTRACT STACK

Contract	Role
AAG Token (BEP-20)	OpenZeppelin ERC20 + AccessControl; 10% annual mint cap hard-coded
Vesting	Manages vesting for investors, team, advisors, bonus pool
Staking	6/12/24-month lock-ups + 21-day unbonding + Profit-Share Cap APR
Reserve-Backed Minting	Multi-sig + 30-day timelock + mandatory pre-disclosure
Loan Collateral Pool (Phase 2)	Collateralized lending · LTV monitoring · liquidation logic

9.3 Security design

SECURITY DESIGN

- ✓ Multi-sig governance protects admin functions
- ✓ 30-day timelock on every new mint
- ✓ External audit (CertiK / Hacken / SlowMist candidates) — mandatory before mainnet
- ✓ Cold-wallet storage — over 50% of treasury assets
- ✓ Single exchange / custodian capped at 30%
- ✓ HD Wallet (BIP-39) + mobile Secure Enclave for user wallets

CHAPTER 10

Governance & Treasury

Governance principles and treasury operations

10.1 Governance principles

01	**Multi-key multi-sig (N-of-M)**	No single party can act alone
02	**30-day timelock**	Major decisions are pre-disclosed before execution
03	**Quarterly treasury report**	Published

10.2 Treasury — three-pillar allocation

TREASURY ALLOCATION

PREMIUM MEMBERSHIP DEPOSITS

~₩150B

↓

50%+ retained as payment reserves — top-priority protected assets

↓ Only surplus is allocated across the three pillars

Pillar ①
USDT/USDC HFT arbitrage (market-neutral)

Pillar ②
Member-collateralized lending (Phase 2)

Pillar ③
MMF / short-term T-Bills

10.3 Deposits are liabilities, not revenue

DEPOSIT IS LIABILITY, NOT REVENUE

USER LIABILITY · NOT REVENUE

Combined Platinum and Black deposits of about ₩150B are user liabilities, not company revenue. USDT/USDC 1:1 collateral is held separately in the treasury with daily reconciliation.

₩150B	1 : 1	DAILY
TOTAL DEPOSITS	USDT/USDC collateral	Automated reconciliation

CHAPTER 11

Competitive Positioning

Major crypto cards vs Ayla — 9 dimensions

Dimension	Crypto.com	Binance	Coinbase	Ayla (AAG)
Token sold on payment	Yes	Yes	Yes	No
Payment creates buy demand	—	—	—	✓ APPM
Payment price protection	—	—	—	✓ 90일 VWAP
Dual-token structure	—	—	—	✓
Staking reward funding	Token inflation	Token inflation	None	Business revenue
Max cashback	8%	8%	4%	8%+ (by tier)
Deposit refund (premium)	Treated as fee	—	—	✓ 100% Credit AAG
Patent moat	None	None	None	✓ 3 filings, 46 claims
Network	Visa	Visa·M/C	Visa	Visa

0%	90-DAY	100%	46
SELL PRESSURE	VWAP FLOOR	DEPOSIT REFUND	PATENT CLAIMS

STRUCTURAL DIFFERENTIATION

One mechanism reinforces utility for both spenders (stability) and long-term holders (durable utility). Positions as a card with a negative effective fee (≤ 0). All mechanisms are codified as governance-level operating principles.

CHAPTER 13

Resources & Contact

Official resources · Community · Inquiries · Publication info

13.1 Official resources OFFICIAL RESOURCES

Official Website	www.aagtoken.com
Smart Contract (BEP-20)	Disclosed at TGE

13.2 Community COMMUNITY

Telegram	t.me/aylakorea

13.3 Listing & partnership inquiries BUSINESS INQUIRIES

Listing Inquiries — listing@aagtoken.com

Business Partnership — bd@aylapay.xyz

Press / Media — press@aylapay.xyz

Investor Relations — ir@aylapay.xyz

Compliance / Legal — compliance@aylapay.xyz

13.4 Publication info PUBLICATION INFO

PUBLISHER · Ayla Ltd. (Cayman Islands)
DOCUMENT TYPE · Light Paper (Exchange Listing & Public Distribution)
VERSION · v1.0
PUBLICATION DATE · April 2026
UNDERLYING DOCUMENT · AAG Whitepaper v1.5

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