



T420

DAO Tokenomics

Token Economics Overview

A summary of the T420 economic model

T420 Tokenomics

Asset-Backed Network Token

1. Executive Summary

T420 is an asset-backed, network token that represents fractional exposure to a real-world fleet of Tesla Cybercab robotaxis while serving as the medium of exchange inside the T420 mobility marketplace. Minted as a vanilla SPL token on Solana, T420 combines:

- on-chain escrow that backs every Fleet and Robotaxi NFT with actual tokens,
- price-based unlocks that synchronise capital inflow with fleet expansion, and
- a 5 % marketplace routing fee that turns network throughput into perpetual DAO revenue.

This design aligns the interests of investors, Shepherds, and service suppliers while preserving maximum wallet compatibility today and the option to upgrade to Token-2022 extensions later.

2. Token Fundamentals

Parameter	Description
Total Supply	10 000 000 000 T420 (fixed)
Token Standard	Solana SPL (v0)
Classification	Asset-Backed, Network, Governance
Initial Issue Price	\$0.01 (Private Sale 2025)
Target Price (2030)	\$5.00, tied to 250 k fleet milestone
Treasury Benchmark	50 % BTC, 30 % stables, 20 % ops reserve

3. Token Fundamentals

Bucket	% Supply	Tokens	Purpose
Fleet	50%	5 B	Asset-backed minting for Fleet & Robotaxi NFTs
Shepherd Programme	10%	1 B	Converts to NFTs below; escrowed to preserve vote power
Team (time-vested)	10%	1 B	6-month cliff, 3-yr linear vest
Liquidity Pool	7.5%	750 M	Initial DEX liquidity & market making
Pre-sale	15%	500 M	Private & presale (6-m vest)
Community Incentives	5%	500 M	Quests, governance, referral rewards
Marketing	2.5%	250 M	Paid media & influencer incentives
TOTAL	100%	10 B	Fixed Supply

4. Unlock Mechanics via Escrowed NFTs

- **Fleet NFT** – Minted by depositing **25 000 T420** into an on-chain escrow PDA. Grants the right to operate a virtual depot of robotaxis.
- **Robotaxi NFT** – Minted for each cab by depositing **500 T420**. Transferable; burn returns the escrowed tokens.
- **Voting Power** – Escrow delegates 1:1 vote weight to the Shepherd's wallet, ensuring governance participation without increasing liquid supply.

5. Token Utility & Revenue Streams

1. **Governance** – 1 token = 1 vote on Realms-compatible DAO proposals (fleet deployment, treasury policy, fee rates).
2. **Staked Collateral** – Tokens locked behind NFTs act as performance bonds; KPIs can trigger slash/burn.

3. **Marketplace Medium of Exchange** – T420 is the default payment rail for suppliers (cleaning, tyres, charging). All marketplace transfers route through a Fee Router that skims 5 % to the DAO treasury before forwarding 95 % to the service provider.
4. **Net Fee Share** – Ride revenues flow into treasury and auto-split:
 - 42 % token holders reinvest into the fleet expansion
 - 42 % Shepherds
 - 16 % BTC treasury.
5. **Treasury Flywheel** – Marketplace 5 % fee + Ride net fee share → BTC/USDC swaps → Quarterly buy-back & burn or reinvest into new cabs

6. Price-Based Unlock Schedule

Phase	Year	Fleet Target (cabs)	Token Price Gate	Tokens Unlocked	Capital Raised
Pilot	2025	500	\$0.01	500 M	\$15 M
US Expansion	2026	5 000	\$0.05	800 M	\$150 M
N. America	2027	25 000	\$0.25	1.2 B	\$750 M
Europe	2028	75 000	\$1.00	1.5 B	\$2.25 B
APAC	2029	150 000	\$3.00	1.2 B	\$4.5 B
Global	2030	250 000	\$5.00	800 M	\$5.0 B

Release acceleration / deceleration is governed by on-chain **price-oracles** and **fleet utilisation KPIs** (pause if price ↓ 30 % in 7 days).

7. Risk Management

- **Smart-Contract Security** – Anchor audits, multisig upgrade authority, bug-bounty

- **Market Stability** – Circuit breakers on token release; AI-driven liquidity provisioning.
- **Regulatory** – DAO Foundation, Wyoming LLC wrapper; token classed as network utility with RWA backing for added clarity.

8. Glossary

Shepherd	Mini-fleet operator responsible for KPIs
DAO Treasury	Multisig Solana account holding BTC, stables, and T420.
Fee Router	Lightweight programme that collects the 5 % network fee.
NFT Escrow PDA	Program Derived Address that safekeeps staked tokens until NFT burn.