

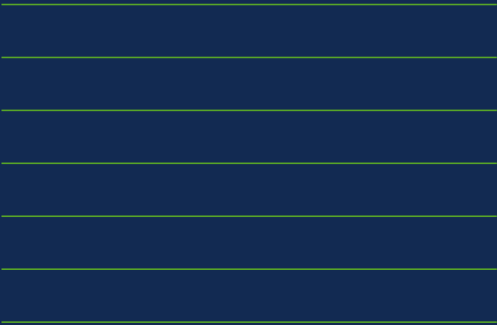


Token Whitepaper

FREISINGER enterprises GmbH

Version 2.0 | May 2026 | Ethereum Mainnet | ERC-20 Utility Token
Contract: 0x4c6e4a16b5448269240bbe7af331acb821d22693

Language: English



SUMMARY

Executive Summary

FRX is the official utility token (voucher token) of **FREISINGER enterprises GmbH**. Token holders automatically receive tiered discounts of up to 20% when shopping at **Gas & Technik FREISINGER GmbH & Co KG** and further partner shops — directly at checkout via MetaMask, no code needed. The proprietary WooCommerce plugin has been successfully developed and tested.

COMPANIES

Company Structure & Roles

FREISINGER enterprises GmbH — Token Issuer

FREISINGER enterprises GmbH issues the FRX utility token and develops and operates the WooCommerce discount plugin. The plugin verifies token balances server-side directly on Ethereum Mainnet and automatically applies the discount at checkout.

Gas & Technik FREISINGER GmbH & Co KG — Redemption Partner

Gas & Technik FREISINGER GmbH & Co KG is an Austrian industrial company specialising in technical gases, welding gases, refrigerants and dry ice. The shop accepts FRX as a voucher for automatic discounts. Additional partner shops can also integrate the plugin.

TOKEN

FRX Token — Technical Details



Symbol	FRX
Standard	ERC-20
Blockchain	Ethereum Mainnet
Decimals	2
Total Supply	1,500,000 FRX
Issuer	FREISINGER enterprises GmbH

Property	Value
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Contract	0x4c6e4a16b5448269240bbe7af331acb821d22693
Token Type	Utility Token — Voucher
Redemption	Gas & Technik FREISINGER GmbH & Co KG + partner shops
Active Pools	6 (Uniswap V2 x4, SushiSwap, 1INCH)
Deployed	January 2021
Verified	Etherscan.io DexTools

Decimal note: Contract raw value 150,000,000 / $10^2 = 1,500,000.00$ FRX actual supply.

USE CASE

Voucher System & Discount Tiers

FRX token holders receive automatic discounts when shopping at Gas & Technik FREISINGER GmbH & Co KG and partner shops. The discount depends solely on the number of FRX held in the wallet — not on the market value.

- Connect wallet via MetaMask (EIP-191 signature)
- FRX balance verified from Ethereum Mainnet
- Discount applied automatically at checkout — no code needed

Discount Tiers

Tier	Min. FRX	Discount	Label
Tier 1	100 FRX	5%	Starter
Tier 2	500 FRX	10%	Silver
Tier 3	1,000 FRX	15%	Gold
Tier 4	5,000 FRX	20%	Platinum

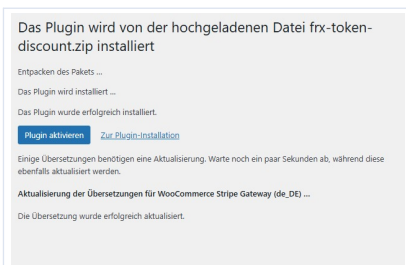
Important: Only the number of FRX held counts — not the market price. 1,000 FRX = 15% discount regardless of market value.

PLUGIN

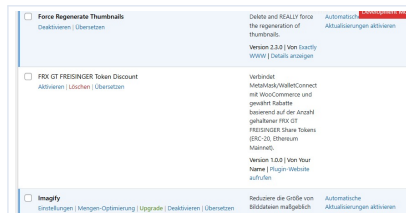
WooCommerce Plugin — Live in Operation

FREISINGER enterprises GmbH has developed a proprietary WooCommerce plugin that integrates the FRX token directly into the checkout process. The plugin verifies the FRX balance server-side on Ethereum Mainnet and applies the discount automatically.

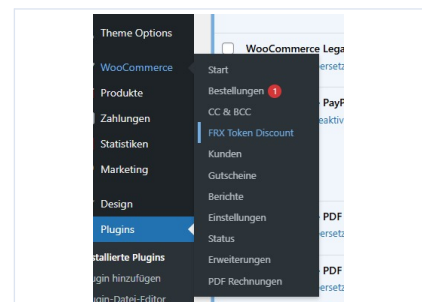
- Plugin successfully installed and tested
- MetaMask connection via EIP-191 signature verification
- Server-side balance fetch — tamper-proof
- Re-validation at every checkout



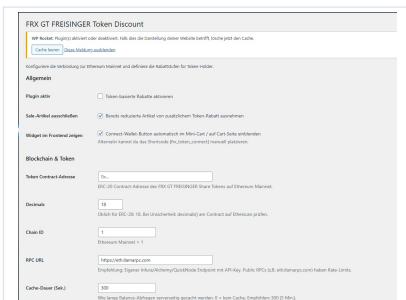
1. Plugin Upload & Installation



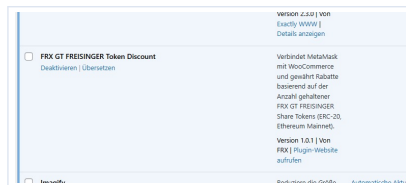
2. Plugin in Plugin List



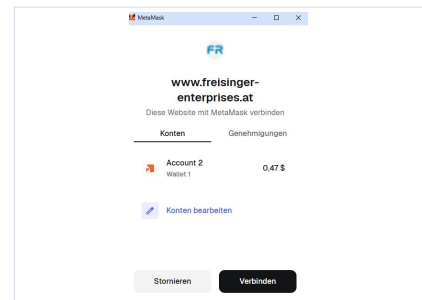
3. WooCommerce Menu Entry



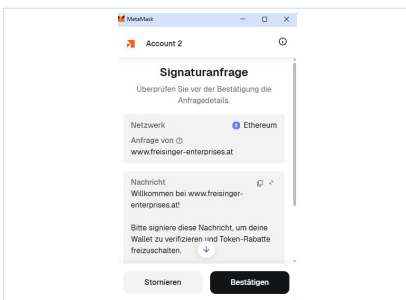
4. Plugin Settings



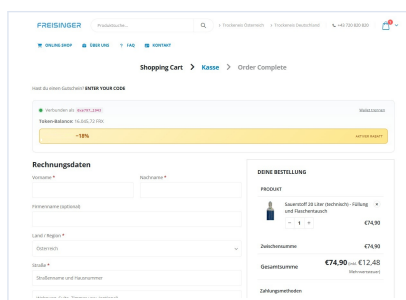
5. Wallet Connect Button in Shop



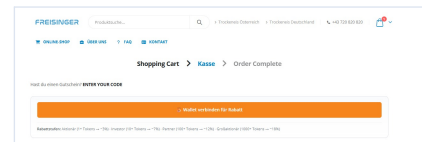
6. MetaMask Connection Request



7. MetaMask Signature Request (EIP-191)



8. Checkout with Active Discount —18 %



9. Checkout with Connected Wallet

LIQUIDITY

Liquidity Pools, Pricing & Market Dependencies

AMM Principle

The FRX price is not set by FREISINGER enterprises GmbH but determined by the AMM principle in decentralised liquidity pools.

$$x \text{ (FRX)} \times y \text{ (ETH)} = k \text{ (constant)} \quad \text{Price} = y / x$$

Buying reduces FRX supply — price rises. Selling reduces price. The USD value of counter-currency tokens (ETH, BTC, 1INCH, UNI) directly influences the FRX USD price.

Active FRX Pools (May 2026)

Pool	DEX	Fee	Price ~	Status	Counter-Currency
FRX/WETH	Uniswap V2	0.3%	\$0.031	Active	WETH — Wrapped Ether (linked to ETH/USD)
FRX/WETH	Uniswap V2	—	\$0.032	Active	WETH — 2nd pool, different liquidity depth
FRX/1INCH	Uniswap V2	0.3%	\$0.032	Active	1INCH — DEX Aggregator Token
FRX/WETH	SushiSwap	—	\$0.035	Active	WETH — SushiSwap, arbitrage-aligned
FRX/WBTC	Uniswap V2	0.3%	\$0.050	Active	WBTC — Wrapped Bitcoin (higher USD)
FRX/UNI	Uniswap V2	0.3%	\$0.001	Active	UNI — Uniswap Governance Token

Live data: dextools.io/app/en/ether | etherscan.io/token/0x4c6e4a16b5448269240bbe7af331acb821d22693 — FREISINGER enterprises GmbH has no influence on price quotations.

TECHNOLOGY

Technical Architecture

EIP-191 wallet verification flow: (1) Generate nonce. (2) MetaMask signature. (3) Server verification via ecrecover. (4) FRX balance fetch from Mainnet. (5) Apply discount.

- EIP-191 prevents wallet misuse
- One-time nonces prevent replay attacks
- Server-side balance fetch — tamper-proof
- Re-validation at every checkout

ROADMAP

Roadmap 2026

Phase	Milestone	Status
Q1 2026	Whitepaper V2.0 & Repositioning as Utility Token	Completed
Q2 2026	WooCommerce Plugin Live & First Shop Integration	In Progress
Q3 2026	Additional Partner Shops & Increase Liquidity	Planned
Q4 2026	Community Building & CMC Listing Preparation	Planned



Thomas Freisinger

CEO & Founder, FREISINGER enterprises GmbH

Founder & CEO, FREISINGER Capital Corporation

“Depending on the application, a token can make more or less sense — we just need to find the right application. The FRX token always depends on the Ethereum blockchain: as long as it operates reliably and transaction costs remain affordable, Ethereum as #2 after Bitcoin provides a stable foundation. Every new application creates more demand and increases the utility value for all holders.”

About Thomas Freisinger

Engineer specialising in thermodynamics and air conditioning technology with a passion for the industrial gases sector.

Thomas Freisinger was born in Vienna in 1987 and is a trained automotive technician and electrician. After founding his first company in 2012, he built a group of companies in the field of industrial gases and sustainable CO₂ utilisation. Since 2023 he has been a board member of FREISINGER Holding AG and Managing Director of FREISINGER enterprises GmbH, Gas & Technik FREISINGER GmbH & Co. KG and BCR Bio Carbon Refinery GmbH Amstetten. As Founder and CEO of FREISINGER Capital Corporation, he is responsible for the strategic direction of the FRX token ecosystem.

LEGAL

Legal Classification & MiCA

FRX is classified as a utility token under EU MiCA (Reg. 2023/1114). Issuer: FREISINGER enterprises GmbH. Redeemable at Gas & Technik FREISINGER GmbH & Co. KG and partner shops. No ownership rights, voting rights or dividend claims. Not a security under Austrian or German law.

Risk Disclaimer: Purchasing FRX involves risks. The value may fluctuate or be lost entirely. FRX is not an investment product. The price is determined by market mechanisms. FREISINGER enterprises GmbH has no influence on the price and assumes no liability. This is not investment advice.

CONTACT

Contact

Property	Value
Token Issuer	FREISINGER enterprises GmbH
Redemption Partner	Gas & Technik FREISINGER GmbH & Co KG
CEO / Founder	Thomas Freisinger
Website	www.freisinger-enterprises.at
E-Mail	info@freisinger-enterprises.at
Telegram	t.me/frx_token
X / Twitter	twitter.com/frx_token
LinkedIn	linkedin.com/company/79861321
Contract	0x4c6e4a16b5448269240bbe7af331acb821d22693
Total Supply	1,500,000 FRX
Whitepaper	Version 2.0 — May 2026