



tokiphy

Tokiphy ID
Use Case for Wearables &
Fashion related
Applications.



Tokiphy:Introduction



Tokiphy offers Blockchain ID and Token Ownership Validation for token-gated ticketing and commerce, eliminating the requirement for a smartphone.

Our solution features a compact Tokiphy Chip, designed for seamless integration into merchandise and valuable objects. With a dedicated hardware card-reader, it offers a significant 10x speed improvement compared to using a smartphone. This makes it an ideal choice for fashion brands and providers seeking to deliver efficient and prompt services to their valued users.

Our solution also empowers users who possess a special NFT (ticket) or digital collectible to enjoy exclusive privileges, including complimentary beverages, VIP meet and greets, and exclusive merchandise.



Tokiphy:What



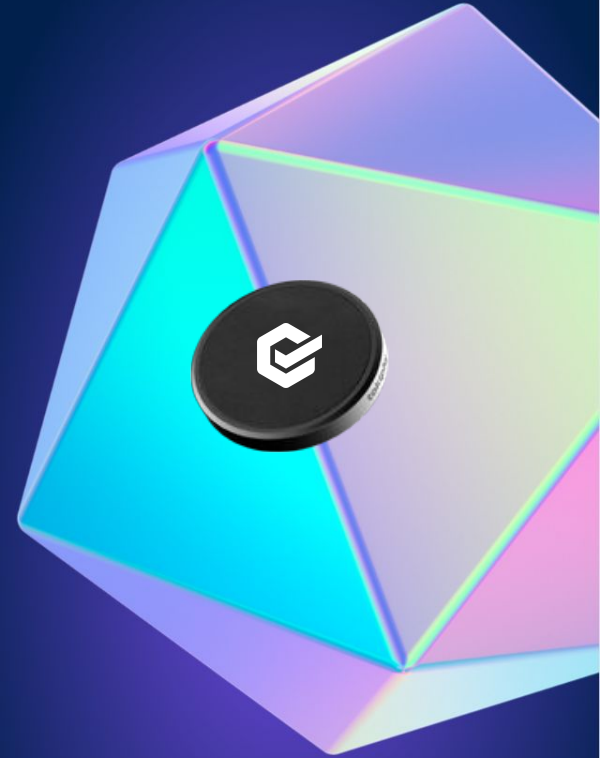
Tokiphy is a Blockchain based solution to validate User Identity and Token Ownership without requiring direct Wallet Access.



Tokiphy:Why



User Authentication and Token
Validation through Wallet
Interaction is still a big pain point
and prevents mass adoption for
Web3 Applications in Digital
Fashion.



Tokiphy:Innovation

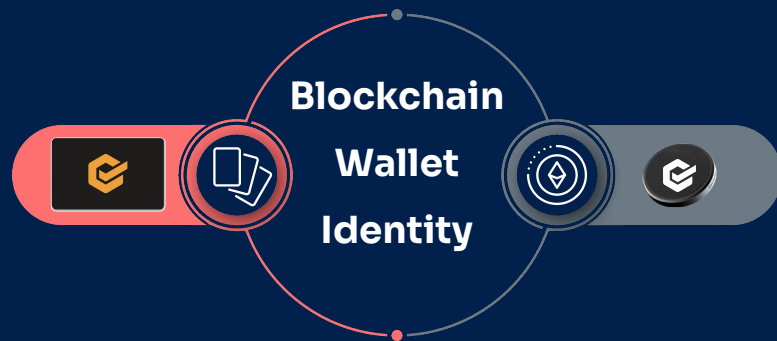


Tokiphy revolutionizes the fashion industry by combining a smartcard and an NFC chip to offer a range of innovative use cases.

The smartcard serves as the platform for blockchain ID and token ownership validation, while the NFC chip embedded in clothing items enhances the fashion experience by enabling various functionalities.



Tokiphy:Solution



An initial setup binds a Tokiphy Chip to a user's wallet.

No need of downloading Apps, scanning QR codes and NO wallet connect.

**Our in house build (Hard- and Software) Validation System is fast, simple
and easy to use.**

Tokiphy:How it works



The Tokiphy Chip comes pre-assigned to brands or user or can be "claimed" through registration.

1. Claim Tokiphy Chip Ownership
2. Use Default Wallet
3. Connect Custom Wallet
4. Enjoy Products & Services



Tokiphy:Multi-Wallet & Multi-Chain

Ethereum | Polygon | Binance Smart Chain
(more to come soon)

Tokiphy Users can claim
Wallet Ownership.



Tokiphy already
comes with
three wallets
pre-assigned.

Metamask,
Wallet Connect,
Coinbase and
more can be
added.

Tokiphy Users can
connect their existing
wallets.



Tokiphy:Validation Process



Scan/Access



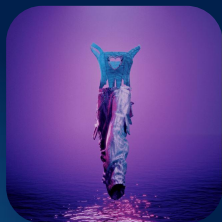
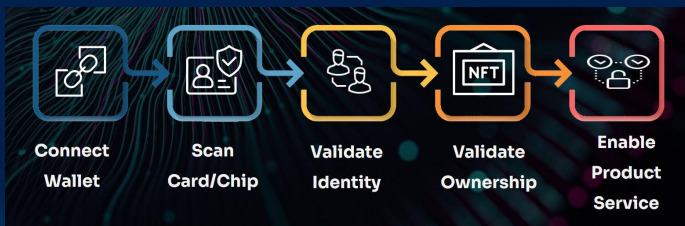
Users are scanned using the Tokiphy Reader to determine if they possess the NFT Ticket or Allow Token, indicating their readiness. Wearables embedded with NFC chips facilitate this process. Furthermore, merchandise can be distributed at events themselves, allowing users to claim NFT rewards afterwards. Immerse yourself in our exquisite array of products and services, and indulge in a delightful experience.



Tokiphy:Validation Process



Scan/Access



Tokiphy:Enabling Token Gating



Tokiphy NFC chips can be used by brands and creators to provide token-gated services. They do this by checking token ownership on designated user wallets. Additionally, brands and creators can add NFTs or digital blockchain certificates to Tokiphy chips ahead of time and distribute them to their customers. Customers can then claim the corresponding NFTs or certificates using the Tokiphy Wallet solution at a later time.

The experience allows users to claim their drops using only the Tokiphy Chip, providing a physical NFT mint experience. Users do not require blockchain technology experience or a wallet to participate.

Tokiphy chips are the perfect companion for any occasion, membership access, access control with your favorite brand. With their revolutionary and secure token authentication system that promises to provide you with an unprecedented level of speed and safety, Tokiphy allows brands, creators and businesses alike to create amazing real-life experiences unlike anything else available on the market today!



Tokiphy:Ecosystem



Tokiphy Card

The Tokiphy Chip is a smaller version of the Tokiphy Card meant for embedding or wearing. Although smaller, it has the same features and capabilities as the Tokiphy Card. Because of its smaller size and antenna, it uses NFC proximity technology, with a scanning range of up to 10 centimeters. The Tokiphy Chip is great for verifying the authenticity of physical products in relation to their digital NFT twin or originality certificate.



Tokiphy:Ecosystem



By working with established brands and offering complete customization of our Tokiphy chip, we help them generate additional revenue through a new product category that offers generous margins while giving customers an all-new brand experience. The authentication of brand-related digital collectibles, utilities and benefits using our embedded chip linked to the client's blockchain wallet opens up further usage possibilities and new in-house shopping experiences.



Tokiphy:Security

Made in Germany / AES 256 / CC EAL5+ certified

The Tokiphy Hardware offers encrypted data storage, encrypted data transfer, and signature validation features. These features can be accessed using the Tokiphy identification and authentication system. All data stored in Tokiphy Cards and Tokiphy Chips are encrypted with AES 256, ensuring that they cannot be read, copied, or tampered with by third-party products. The secure element we use for key generation and storage is CC EAL5+ certified.



Tokiphy:Security



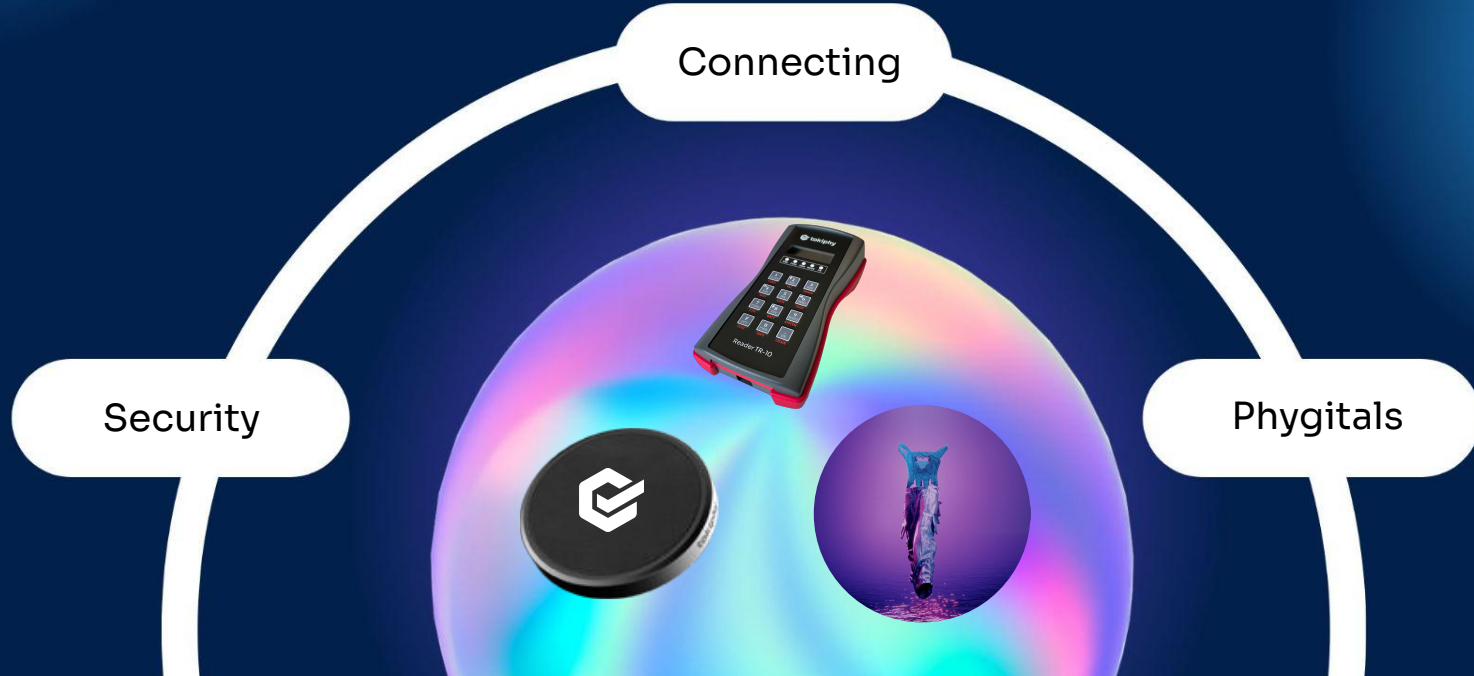
At Tokiphy, we take security very seriously. Our solution uses a combination of blockchain technology and hardware-based authentication to provide secure and reliable validation of token ownership. The entire process is encrypted and tamper-proof, ensuring that user data remains safe and secure at all times.

In addition, our solution is fully compliant with all relevant regulations and standards, including GDPR. This ensures that businesses can use our solution with confidence, knowing that their data and user information is protected at all times.



Tokiphy

The bridge between Web2 and Web3



-Phygital Goods-

Physical products linked to digital assets and experiences



Embedded

Into luxury products.



Create

Unique, digital identities for each physical item.



Counterfeit

Track & Trace,
Product Passport.

Interoperable Benefits of digital collectibles

Access

Early access to
exclusive collections.

Experiences

Exclusive events.

Community

Member-only spaces.

Phygitals in digital Fashion

Luxury brands are leveraging and exploring the power of integrating NFTs with NFC chips to create exclusive brand experiences and new streams of revenue.

The luxury market has been driven less by the functional utility of goods and more by cultural influences and consumers' desire for status.

- **Veblen effect** - when consumers view high prices as a symbol of wealth and exclusivity.
- **Snob effect** - the appeal of scarcity where rarity increases desirability.
- **Bandwagon effect** - consumers wanting to belong to a particular social group by purchasing certain goods.

Use Cases in digital Fashion

In the era of Web3, luxury fashion brands are redefining ownership, accessibility, and exclusivity by harnessing the power of non-fungible tokens (NFTs), near-field communication (NFC), phygital goods, and the metaverse.

The convergence of NFTs, the metaverse, NFC, phygital goods, and circular fashion is shaping the future of luxury fashion. Luxury brands are redefining their value propositions, embracing environmental and social responsibility, and providing consumers with exclusive and personalized immersive experiences. The boundaries between the digital and physical worlds are blurring, fueling innovation and growth in the luxury sector. In Web3, luxury brands are at the forefront of a new era that meets the demands of a conscious and informed consumer base.



Use Cases in digital Fashion

Digital Fashion Industry: The digital fashion industry is poised to reach \$50 billion by 2030. Luxury brands are integrating blockchain-based NFTs to verify the authenticity of digital assets in the virtual market. This technology amplifies the exclusivity messaging of luxury brands and helps protect digital assets.

Counterfeit Market: Luxury brands are leveraging blockchain technology, the Internet of Things (IoT), and NFC to combat counterfeit suppliers and consumers, which cost the industry trillions and millions of jobs globally.

NFTs in Fashion: Luxury fashion brands are embracing Web3 to create limited or capsule edition digital clothing and accessories collections. NFT marketplaces support luxury brands, offering digital assets that users can purchase, trade, collect, and wear within the metaverse.

Blockchain for Authenticity: Tokiphy utilizes blockchain technology and NFT to establish the authenticity and origins of luxury products, increasing transparency and safeguarding digital assets.

Phygital NFTs: Luxury brands are launching phygital NFTs, such as Louis Vuitton's "Treasure Trunks," which grant owners access to exclusive products and experiences, fostering consumer loyalty.

In-Game Digital Assets: Luxury brands are entering the metaverse gaming world, creating digital assets for gamers and capturing the attention of Gen Z consumers.

Phygital Goods: Phygital goods merge luxury fashion with cutting-edge technology, offering customers an exclusive and personalized experience, as exemplified by Prada's Time-capsule collection.

NFC for Authenticity: NFC technology is used to authenticate phygital goods. Luxury brands embed NFC chips in physical products to reveal digital certificates of authenticity when scanned with a Tokiphy card-reader.

Tokiphy in digital Fashion

Tokenizing Fashion Experiences:

Revolutionizing Fashion-Communities,
Traceability (Reluxury, creator and circular economy)
and Commerce with Tokiphy Blockchain ID
and Token Ownership Validation





Use Cases Tokiphy in digital Fashion

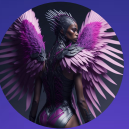
For Users:

1. Enhanced IRL Engagement: The NFC chip embedded in clothing items allows users to collect real-life engagement data. By interacting with the chip users can track and analyze their engagement with fashion products, providing valuable insights for personalized recommendations and improved customer experiences.

2. Rewarding Customer Interaction: Through the NFC chip, Tokiphy enables fashion brands to reward customers whenever they open or use a product. This gamified approach incentivizes engagement and creates a fun and interactive experience for users, fostering brand loyalty and customer satisfaction.

3. Provenance and Authenticity Assurance: Luxury brands can leverage the NFC chip to provide provable provenance and authenticity for their fashion items. By tapping the chip with their Tokiphy card reader, users can verify the legitimacy of the product, ensuring that they are investing in genuine and high-quality luxury items.

4. Exclusive Experiences for Token Holders: The integration of NFC chips with Tokiphy enables the creation of exclusive experiences for token holders. By connecting the NFC chip to specific tokens or NFTs, fashion brands can offer unique benefits, such as VIP access to events, limited edition collaborations, or customized offers, creating a sense of exclusivity and value for token holders.



Tokiphy in digital Fashion

Benefits:

Our solution offers numerous benefits to both fashion providers and users. For fashion brands, it provides a fast and efficient way to validate ID and token ownership without the need for expensive or complex software solutions. This can help them reduce costs and improve the overall user experience.

Process optimization due to faster operations. Your customer will thank you. No more queues—customer satisfaction will increase steadily. For users, our solution offers a convenient and secure way to access exclusive benefits and rewards, such as free drinks, meet and greet with designers or the whole team, and exclusive merchandising. It also eliminates the need for carrying around multiple devices or cards, making it a more streamlined and hassle-free experience.

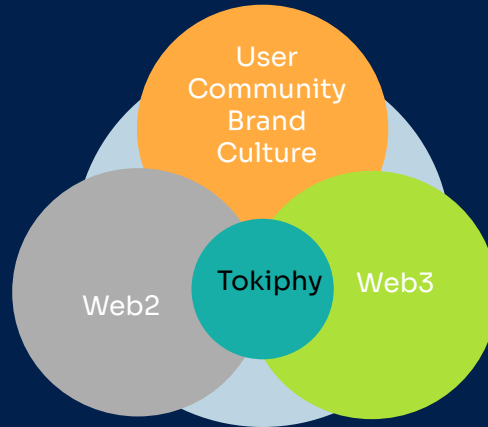


Tokiphy in digital Fashion



Tokiphy Card

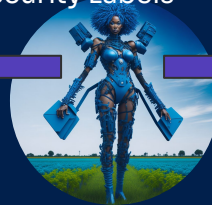
- NFT Ticketing
- VIP Pass
- Access-Control
- Certificates
- Fashion Gift-Cards
- Brand related content
- Collections



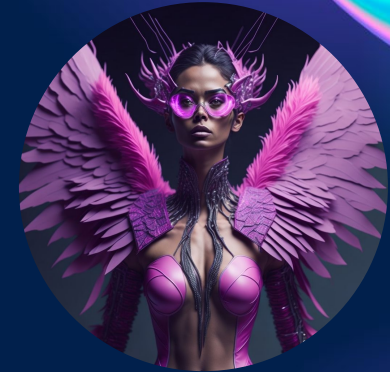
Tokiphy Chip

- Embed into clothing items
- Wearables
- Supply Chain tracking
- Security Labels

Prove
Authenticity



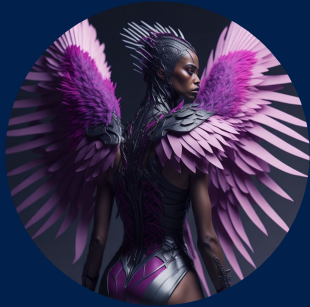
Digital-twin
Ownership



Token-gating

- Cross-community Funnel (Sport, Art, Music)
- Turn customers into Fansumers
- Exclusive Holder experiences
- Gamification/Collecting IRL engagement data
- Provenance/Authenticity
- Rewarding purchase + usage

Tokiphy in digital Fashion



Owner of NFT

- Direct access
- Exklusive content + merch



Phygitals

- Forging physical items
- Add-on Chip embedding clothes + objects
- White Label Branding



Phygitals

- Linked to NFT
- Unlocking rewards



Ticketing

- Exclusive access to IRL events + rewards



Collabs

- Multipass to unlock in-shop merch + more

Tokiphy Card in digital Fashion



Smartcard and physical Items

- Tokiphy smart card customizable for brands
- The physical fashion item or merchandise is distributed alongside the smartcard.
- The smartcard stores the certificate and the Product Passport of Authenticity

New sales channel

- Branded Tokiphy Cards can be introduced to the POS
- Easy customer onboarding
- Increasing engagement rate with customers

Events

- Smartcards can be distributed alongside merchandise during special events.
- For corporate design purposes and corporate fashion (Employee smart card with Work-Certificate)
- At fashion shows to promote your brand

Team



Dirk Lohmann

Co-founder & CMO
Fashion Designer
Merchandise
NFT Futurist



Lars-Gerd Piwowski

Co-founder & CEO
Serial Entrepreneur
Sen. Hardware Architect
Blockchain Expert



**Blockchain ID
Reinvented**

The future of wallet identity and token
ownership verification

Thank You!

If you require any additional information,
feel free to reach out to the Tokiphy Team!
We are here to assist you.

Homepage: [Tokiphy.com](https://tokiphy.com)

Documentation: docs.tokiphy.com

Shop: shop.tokiphy.com

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