



## V-Key ID

Secure. Private.  
Portable. Universal.



## Finally, a trusted digital identity that is secure across all platforms.

At V-Key, we understand the importance of TRUST, PRIVACY, and SECURITY in the digital ecosystem. That's why we're excited to introduce V-Key ID - a universal digital identity solution designed for all your digital access needs.

From financial transactions to healthcare services, e-commerce to government services, gaming and lifestyle apps, our lives have become deeply connected digitally. We end up with multiple usernames, passwords, that need to be repeatedly verified which destroys the user experience. V-Key ID is a shared Authentication Platform.

Authentication can be simplified as long as the identity is secured within the app and shared across the ecosystem in a trusted manner. With verified identities and Private Biometric capability, your digital fingerprint no longer tied to your device, but kept private in the cloud.

With V-Key ID, we have created a solution that aligns with your identity on-boarding, verification, and transactional requirements that preserves privacy across different platforms.

## Who is this for?

V-Key ID is a versatile digital identity solution that caters to a wide range of industries and use cases. Here are some specific examples of who can benefit from V-Key ID:



### **Banks and Financial Institutions:**

Enhance the security of online banking, streamline customer onboarding, and ensure compliance with regulatory requirements. Allow the identity to be shared across different apps



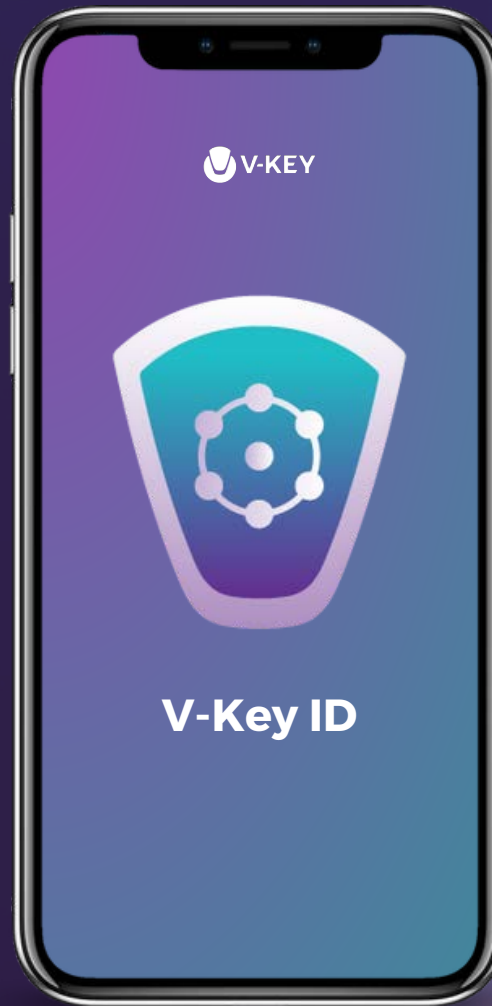
### **Government Agencies and Civic Services:**

Enable secure access to e-gov services and citizen portals, enhance identity verification and ensure data protection and privacy.



### **E-commerce Platforms and Online Marketplaces**

Streamline user registration, prevent fraudulent activities, and enable secure transactions, fostering trust between consumers and merchants



### **Healthcare Providers and Telemedicine Services:**

Simplify patient onboarding, protect sensitive medical records, and enable seamless authentication for remote consultations, ensuring privacy and compliance with healthcare regulations.



### **Gaming**

Portable from PC to Mobile, simplify user registration, protect valuable in-game assets, and create a reliable ecosystem for players. Build your community of benefits across apps.



### **Travel and Hospitality Services**





Allow seamless login across partner apps. Simplify guest check-in, secure online reservations, and enhance the travel experience, especially on mobile.

## ONE Trusted Identity for ALL your apps

V-Key ID facilitates app-to-app transfer of identities, enabling seamless authentication and trust bridging between different apps on the same device, OR the same app running on different platforms. V-Key ID not only creates an identity for the user, but also secures the identity of the app.

Once registered and verified, V-Key ID creates a single unified and interconnected digital identity that can SCALE to deliver the ultimate experience across your ecosystem.

## Here's how V-Key ID enables this revolutionary ecosystem:

-  Register once, then share identity with a single cloud API call.
-  Only Trusted Apps can access V-Key ID
-  Secured keys stored within the app, and not on the device
-  Access APIs for transaction signing, offline verification, digital signatures, and multi-layered authentication.



## Introducing Privacy-Preserving Biometrics

ZeroFace™ generates a 256-bit hash for each identity. No biometric data or PII retained.



### ZeroBiometrics™ Enabled Authentication

V-Key ID leverages ZeroBiometrics™, an innovative privacy-preserving and data-protecting biometric authentication technology. ZeroFace™, a component of ZeroBiometrics™, ensures user privacy by never storing or searching for facial data. Instead, it computes a unique 256-bit ZeroHash™ for each user's face, stored within a ZeroMap™. ZeroFace™ eliminates privacy and data storage concerns associated with traditional biometric methods while offering secure and convenient authentication.

### Secure and Portable Identity Storage:

V-Key ID utilizes V-OS, world's first Common Criteria certified Virtual Secure Element to achieve secure encryption of the ZeroMap™ within the app which is transported to the cloud on a secured channel as part of user registration. Whenever user attempts to authenticate, the ZeroMap™ is decrypted using the V-OS embedded key. By way of digital signature verification on server, ZeroMap™ is then used to match with ZeroKey generated from user's facial features all within fraction of a second and a verifiable result of privacy enabled biometrics authentication is informed to the application embedding the V-Key ID SDK





Developer-friendly API  
for easy integration



Comprehensive identity services:  
onboarding, login, authorization,  
transaction signing



App-to-app transfer of identities  
for seamless authentication



Global support for National  
Digital Identities



Privacy-preserving user consent  
and information sharing



Secure storage and portability  
with encrypted ZeroMap™



Cryptographic keys instead  
of facial templates





## What We Do:

V-Key is a software-based digital security company whose technology powers security solutions that deliver the highest level of defense and control for digital identity, user authentication, access and authorisation -- without compromising the user experience. It is trusted by government, banking, and mega-app clients across the region to connect people, organisations, and devices everywhere by securing the global digital economy .

## Our Mission:

With a user base of 300 million and growing, we envisage a secure universal Digital Identity to power Trusted digital services globally.



## THE V-OS VIRTUAL SECURE ELEMENT

At the heart of V-Key's product suite is V-OS, the world's first Virtual Secure Element to be FIPS 140-2 (US NIST), Common Criteria EAL3+, and SOC 2 certified. It has also been accredited by the Infocomm Media Development Authority of Singapore (IMDA). V-OS creates an isolated virtual environment within mobile applications to safely store cryptographic keys and other important information.



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