

# 1Kosmos 1Key Biometric Security Key

Passwordless multifactor authentication for restricted environments

Passwordless authentication for restricted environments such as call centers, manufacturing floors, and clean rooms pose special challenges because mobile phones and camera-equipped devices are often prohibited. 1Kosmos 1Key provides passwordless, biometric authentication with a cost-effective physical token supporting unlimited users and a register-once, use anywhere approach.

## The 1Kosmos Advantage

1Key delivers a convenient biometric authentication experience for shared workstations and multiple kiosk systems and supports interoperability across associated operating environments and business applications.

This approach eliminates passwords for endpoint login, applications, and other digital services. Users simply register once on any device and then log into any supported device or service using any one of up to 10 fingerprint scans per individual.

1Key is a FIDO-compliant token unlike any other. Not only is 1Kosmos FIDO2 authentication certified by the FIDO Alliance, but because 1Key supports unlimited users, organizations deploy one per workstation/kiosk. This delivers significant cost savings compared to purchasing and distributing FIDO keys for each user, only to have them forget, break, or lose the keys.

Once a user is registered, 1Key can be utilized for Windows or web login without requiring separate registration. Move to a different workstation, not a problem. No device-level re-registration is required.

1Key is a component of the 1Kosmos platform that provides several advantages over traditional password-based authentication, including enhanced security, improved usability, and better resistance to phishing attacks.

1Kosmos utilizes public key cryptography, so even if a user's credentials are compromised, an attacker would not be able to use them without also having access to the user's public/private keys.

**1Key authentication  
frees organizations  
from purchasing and  
distributing FIDO keys  
for each user.**



# 1Kosmos 1Key

Three form factors suited to the needs of your business.

## Desktop Biometric Security Key

- Wired USB 2.0 Type-A connectivity
- Manufactured with impact-resistant composite for durability on high-use, shared workstations / kiosks
- Supports register-once, use anywhere for biometric authentication of unlimited users



## Mobile Biometric Security Key

- Provides same capabilities as desktop model, but in a smaller, more portable form factor for one-touch access
- Lower cost than desktop model
- USB 2.0 Type-A connectivity



## Security Key

- Low cost replacement for traditional physical token
- Ideally suited for environments requiring basic possession-factor authentication-assurance
- Dual USB / micro-USB plug compatible





# The only advanced biometric authentication solution for dynamically assigned workspace

## Open, scalable and interoperable.

IKosmos IKey provides a passwordless authentication approach for organizations where workers are dynamically assigned a workspace such as hoteling work stations, clean rooms, and secure compartmented information facilities.

## Passwordless access.

Leveraging IKosmos IKey gives organizations a way to enforce access controls, improve user experience and ensure auditability to the individual, even if many users share access to the same account.

## Simple registration.

Users will register their biometrics at the time of onboarding and will then have passwordless access to any supported device, application or environment. The register once- use-anywhere approach accelerates onboarding and eliminates passwords for enrolled users.

## Compatibility & usability.

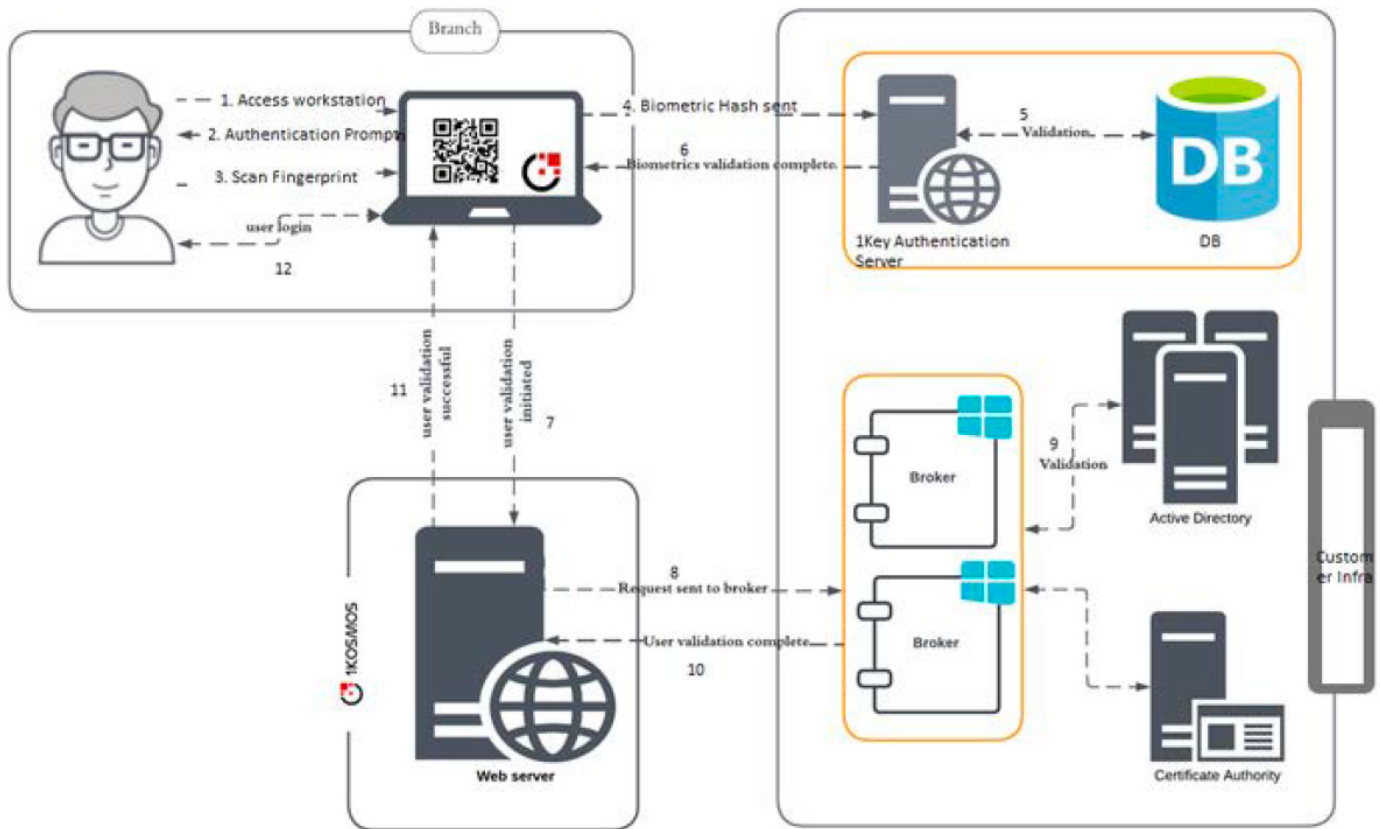
Enrolled users authenticate with their enrolled fingerprint for passwordless authentication.

## IKosmos IKey Features & Benefits

- Register-once-use-anywhere ensures that users are workstation independent
- One security key per protected device reduces cost and management compared to issuing one or more keys to each individual
- Biometric security keys support FIDO compliant authentication on the web via WebAuthn
- Supports trust-on-first-use (TOFU) security for desktop or kiosk login
- A component of the IKosmos platform which supports an **enterprise-wide passwordless strategy**

## Reasons to Consider

	IKosmos Key	Traditional FIDO Keys
Cost	\$	\$-\$\$\$
# Keys	1 Key per protected desktop	1 key per user
User Management	Multiple users and biometrics per managed key	1 key per managed user
Account Management	Authentication on any deployed key	Authentication only on provisioned key



Deployment consists of Auth Agents deployed on every machine as well as an Auth Server deployed across one or multiple locations.

All communication of AD credentials happens over a broker.

### About 1Kosmos

1Kosmos enables remote identity verification and passwordless multi-factor authentication for workers, customers and residents to securely transact with digital services. By unifying identity proofing, credential verification and strong authentication, the 1Kosmos platform prevents identity impersonation, account takeover and fraud while delivering frictionless user experiences and preserving the privacy of users' personal information. 1Kosmos performs millions of authentications daily for government agencies and some of the largest banks, telecommunications, higher education, and healthcare organizations in the world.

