



# **Passwordless Identity Access Management**

**The Key to Secure Authentication**

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## Passwordless Identity Access Management

80% of data breaches result from compromised passwords and AI algorithms can crack 70% of most passwords in a day. OCTATCO's passwordless approach eliminates organizations' password dependency by providing enhanced access security and stronger protection against cyber threats trying to access sensitive data.

## Our Future-Proof Vision

We strive to foster a trustworthy and password-free digital ecosystem through passwordless biometric access management solutions that are built on industry-leading security practices.

## Our Turnkey Solution

We offer a Multi-Factor Authentication solution (MFA) and FIDO-certified Fingerprint Security Keys hardware for passwordless authentication in On-premise, Cloud, and Hybrid environments.

## Diverse Deployments

- Workforce authentication
- Remote and on-site login
- Smart office access control
- Digital identity regulation compliance
- Mobile authentication
- In-house, legacy, and cloud app/web services integration
- Privileged Access Management (PAM)
- Authentication policy management
- Zero Trust Architecture
- Shared computer security
- Physical access security
- Passwordless PC login
- LDAP, AD/AAD integration
- Virtual environments
- SIEM, SSO, NAC, IAM solution integration

## Sectors of Interest

We focus on Cybersecurity, Biometrics, Passwordless technology, Zero Trust mechanism, FIDO protocols and Access Management for organizations requiring a high level of security to safeguard their digital assets and data such as Government Agencies, Financial Institutions, and Healthcare Organizations.

# EzFinger

## FIDO Fingerprint Security Keys

Protect your digital assets with  
OCTATCO Fingerprint Security Keys!



**EzFinger2+**



**EzFinger C**



**EzQuant**



**EzFinger Desktop**



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- ✓ Compatible with any PCs, tablets, and smartphones thanks to multiple form factors:
    - USB-A
    - USB-C
    - Card
    - Desktop cradle
  - ✓ Log in to your favorite platforms with a **single fingerprint touch** while your encrypted personal information never leaves the device.
  - ✓ Ensure that only accredited workers can access organizations' sensitive data by **accurately authenticating authorized users** with their unique fingerprints.
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## EzFinger2+

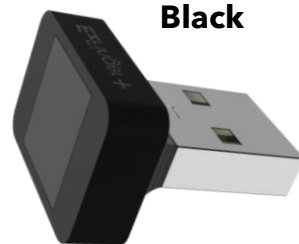
**EzFinger2+** is a FIDO-certified fingerprint security key with a next-generation security chip that features enhanced cryptography, secure storage, and a faster fingerprint sensor with rapid execution. Biometrics are stored and processed within a hardware secure area that can never be accessed from outside. This prevents account takeovers, phishing, hacking, and other cyber threats. Instead of passwords, users can safely and simply authenticate on their PC or any other FIDO-enabled services using their finger.



**Silver**



**Black**



## EzFinger C

**EzFinger C** exhibits the true sense of 'all-in-one' functionality, boasting an upgraded user experience through expanded usability and enhanced compatibility. It offers secure online authentication across numerous web services on multiple devices, as it is compatible with FIDO2 and FIDO U2F protocols on a wide range of devices, including laptops, tablets and smartphones. Use EzFinger C to conveniently and securely log in to your online accounts as you roam across your everyday devices.



**Steel**

## EzFinger Desktop

**EzFinger Desktop** completes the product series with an enriched user experience. It is the first adaptable fingerprint security key with enhanced mobility as it can be connected to the desktop cradle or moved to another laptop. The set includes either Ezfinger2+ or EzFinger C, along with a cradle specifically designed for optimal desktop use. The ergonomic cradle is durable and weighted, ensuring it remains stationary on the desk. The desktop cradle elevates the user's fingerprint sign-in to a seamless experience.



### EzFinger C Desktop



### EzFinger 2+ Desktop



## EzQuant

**EzQuant** is the world's first quantum FIDO-certified fingerprint security key developed in collaboration with SK Telecom and IDQ. It is embedded with a Quantum Random Number Generator chip that produces true randomness with zero predictability during data encryption. Its card form-factor also supports NFC serving as a physical security access control card. EzQuant is ideal to replace passwords in high-security work environments with critical digital and physical infrastructures.



# EzFinger specifications

Fast and accurate identity verification for all your accounts!

The EzFinger series enables secure authentication to various web services (Gmail, MS365, Dropbox...), Windows PC login, enterprise systems (Groupware, ERP, CRM...), cloud platforms, and applications without implementing multiple additional software products.

## EzQuant

Quantum encryption, NFC

## EzFinger2+

USB-A type

## EzFinger C

USB-C type

## EzFinger Desktop

Cradle set, USB A & C compatible



Supported PC platforms	Windows 10 and later, Mac, Linux, Chromebook	Certifications	FIDO2, FIDO U2F, Windows Hello, KC, CE, FCC, RoHS2, VCCI
Browsers	All browsers supporting WebAuthn & CTAP2, including Chrome (v.70+), Edge (v.44.18362.1.0+), Firefox (v.66.0.32+), Safari (v.13+), Opera (v.64+)	Sensor	> 250,000 operations Multiangle fingerprint sensor, capacitive overlay, 500 dpi
Encryption	TRNG (True Random Number Generator) QRNG (Quantum Random Number Generator)	Interfaces	HID (Human Interface Device) via USB-A HID (Human Interface Device) via USB-C
Security algorithms	RSA, ECC, ECDSA, ECDH, PGP, AES128/256, SHA1/256	FRR FAR	< 1% (False Rejection Rate) 0.001% (False Acceptance Rate)
Hardware security	Built-in Arm® Cortex®-M23 TrustZone® Technology	Software Development Kit	API for in-house app integration, 1:N server-based authentication...



# OCTATCO MFA

## Multi-Factor Authentication

Layer up security with a 2nd factor and  
biometric authentication



- OCTATCO MFA is designed to be a phishing-resistant and robust alternative to legacy MFA.
- Our MFA integrates with any platforms to **replace passwords** and allows organizations to apply Two-factor Authentication or Passwordless Authentication to any of their applications.
- Instead of using easily compromised passwords to access their accounts, users can be prompted to provide **multiple authentication factors** and use only passwordless authentication methods.



1-day  
deployment



1:1 & 1:N  
available



FIDO  
compatible



Regulatory  
compliance



Zero Trust  
CAT



Automatic HR  
update



0  
Account  
Takeover



20%  
Productivity  
Boost



4 times  
higher  
ROI

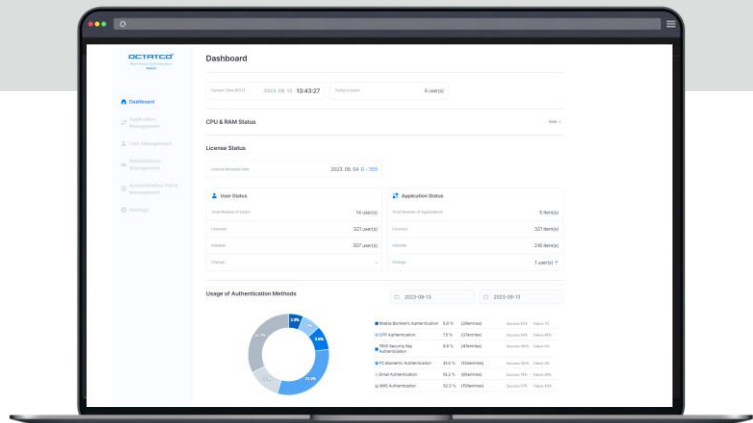
## Admin Portal

The **Admin Portal** allows security teams, IT teams, and administrators to check authentication and device status, monitor network health, set up access policies, and manage users and groups.



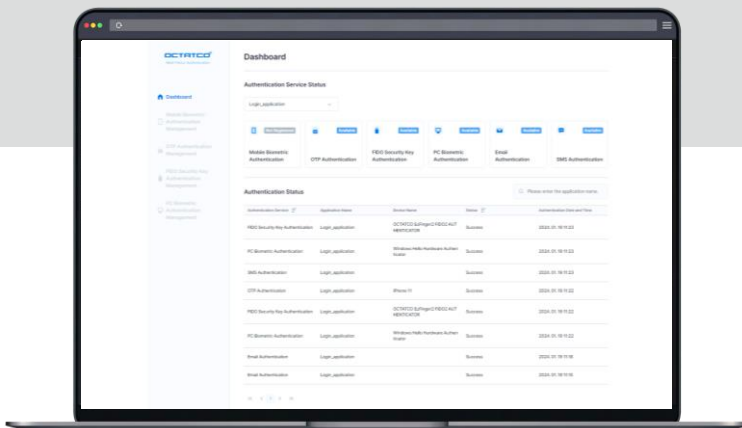
### Insightful Management Dashboard

- Authentication methods and devices status
- Users and admins management
- Server access status
- Access control policy Management
- HR data and systems integration



## User Portal

The **User Portal** allows all registered workforce users to easily register, update, check, and delete their authentication methods and devices on a single user-friendly interface.



### User-friendly Dashboard

- Authentication methods and devices registration
- Check authentication methods and devices status
- Authentication methods and devices update
- Authentication methods and devices deletion




# Biometrics & Zero Trust


The addition of biometric factors and the monitoring of the context during authentication ensure improved accuracy and enhanced security.

OCTATCO MFA includes a wide range of authentication methods (Windows Hello, Mobile biometrics, OTP, email, SMS, FIDO...) based on **User Presence** (something you have) and **User Verification** (something you are). Plus, our **Zero Trust** approach and policy management feature allows us to verify and restrict access depending on various **context factors** (e.g., time, device...).

## Mobile Authentication OCTATCO Authenticator App



Android Fingerprint



iPhone FaceID, TouchID



Mobile OTP

## PC Authentication - embedded and external



Windows Hello biometrics



Apple biometrics



Security Keys



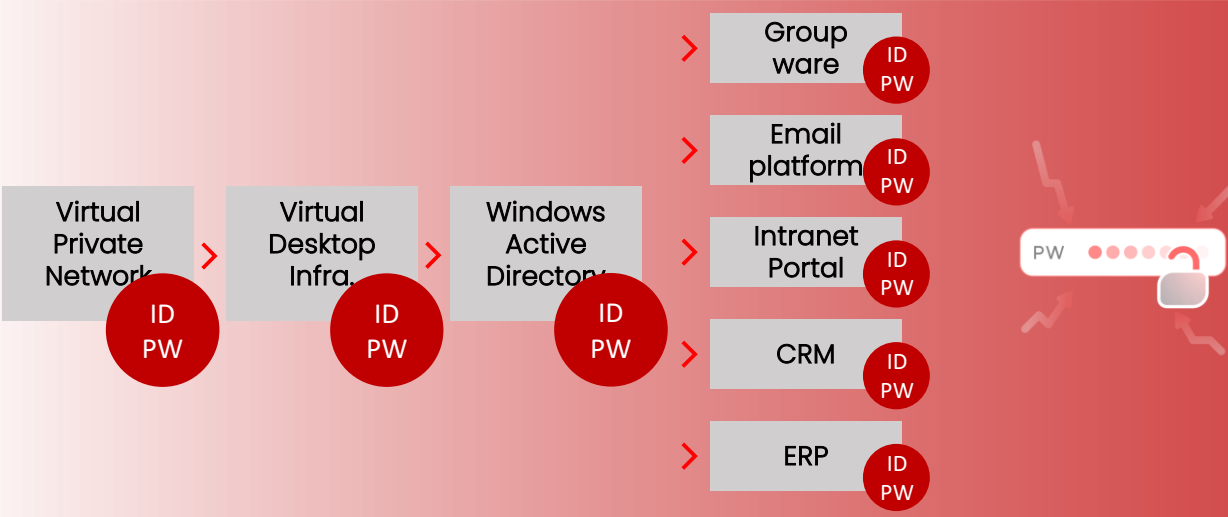
## Some examples of Accessible Platforms

PC Log-in		MS 365 platforms		Crypto & Payment	Cloud	Social Networking
Windows 10	Azure Cloud	OneNote	OneDrive	Paypal	Amazon Web Service	Facebook
Windows 11	Microsoft Account	Skype	Outlook	Google Wallet	Google Cloud	Twitter
Conferencing		Powerpoint	Microsoft Store	Pushcoin	Box	Hangouts
Google Meet	Excel	Teams	Office365	Bitfinex	OneDrive	Yammer
Zoom	Word	MSN		Stripe	File.com	Duo
					Dropbox	
Leisure	E-mail Platforms	Security Platforms		Business Solutions		WebAuthn API & SDK
YouTube	Gmail	IBM Access Manager	RSA SecurID Access	Citrix	Slack	Easy 1-day integration of legacy systems and enterprise systems using our WebAuthn API (if FIDO compatible) or our customized SDK
Google Play	Outlook	Dmacian	AD & AAD	Salesforce	Notion	
XBOX	FastMail	1Password	OKTA	DocuSign	GitHub	
Google Fit	Tutanote		Ping Identity	Dell ThinClint	Gandi	
Shopify	Mail.de			IBM SSO		

# User Scenario

## FROM multiple dangerous logins

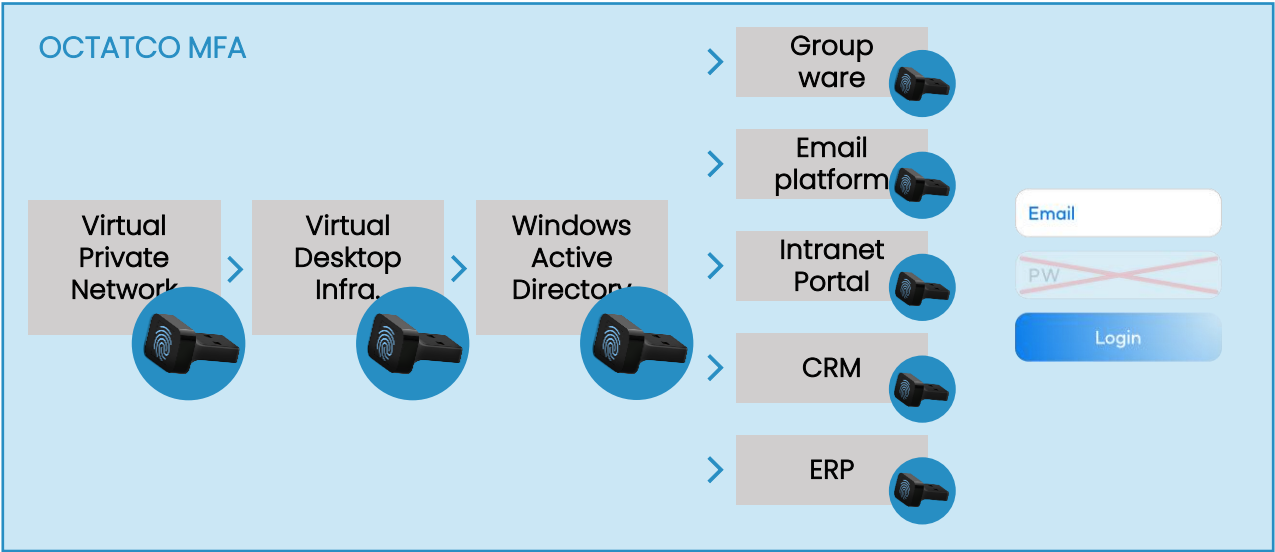
Every digital asset of an organization relying on passwords is an **open door for cyber-attacks** to access sensitive data. **Password-dependent organizations are vulnerable** and face more cyber threats such as phishing and spoofing while their users can spend up to **20 hours per year** managing and using passwords.



# OCTATCO Solution Deployment

## TO an effortless and secure login process

Transform any authentication process by transitioning to OCTATCO passwordless biometric authentication solution ensuring **streamlined and fortified access** to networks, devices, web, and app platforms. Passwords are eliminated from the authentication process, effectively **closing multiple vulnerable password-controlled entry points** for hackers, and **ensuring the safety of users, digital assets, and data**.



# Benefits

## Driving results from efficient deployment

We **easily integrate** our solution across entire organizations' digital infrastructure, meeting their expanding needs with ease and **saving them time, effort, and costs in the process.**



Security and  
privacy  
regulatory  
compliance



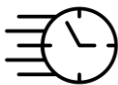
Easily  
deployable &  
scalable and  
consistent



Improved user  
satisfaction  
with convenient  
UX



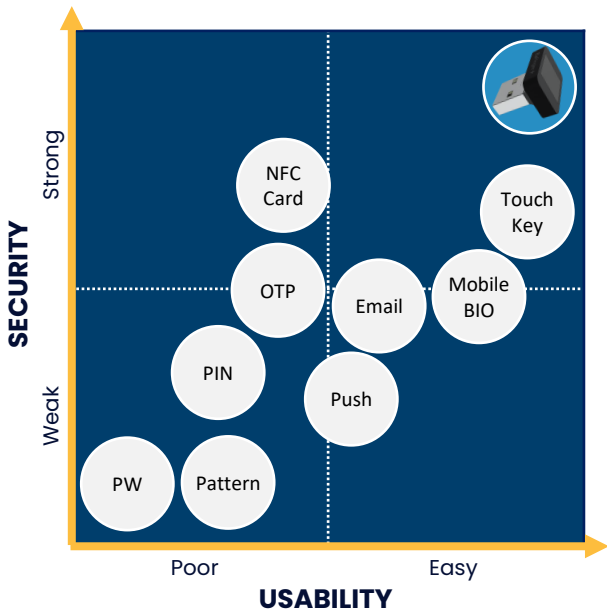
95% Fewer  
Password  
Problems  
Less workload  
for the security  
team



20% Improved  
Productivity  
10 times faster  
than  
passwords  
Time-saving



0% Account  
Takeover  
Accurate user  
authentication  
Phishing-  
resistant



Reduced TCO  
Low adoption &  
maintenance  
costs



Global  
standards and  
protocols  
compatibility

# OCTATCO Network

We have secured government and corporate leaders' core assets with our safer and easier biometric authentication solution.

## Empowering Government Entities



Office of educational administration service for Gyeonggi (Korean province)



NIS is the main Intelligence Agency in Korea regarding national security



Daejeon (5<sup>th</sup> largest Korean metropolis) Waterworks Authority



Financial and welfare services for public officials of educational institutions



National railway operator managed by the Ministry of Land, Infra., Transport

## & Corporate Entities



## Business References



- Joined the [FIDO Alliance](#) as an official working group member and provider of FIDO-certified solutions



- Recommended as a FIDO2 Security Key Global Vendor by [Microsoft](#)



- Listed as a FIDO2 Technology Global Sample Vendor by [Gartner](#)



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