



Passwordless Identity Access Management

The Key to Secure Authentication



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 work authentication
- Smart office access control
- Identity governance and compliance implementation
- Mobile authentication
- In-house app integration
- Privileged Access Authentication (PAM)
- Authentication policy management
- Online transaction & payment
- Legacy & cloud app integration
- Shared computer security
- Physical access security
- Passwordless PC login
- App services login: 2FA and passwordless
- Web services login: 2FA and passwordless
- MFA, SSO, VPN, VM, VDI, AD/AAD 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

Fingerprint Security Keys

Protect your digital assets with
OCTATCO Fingerprint Security Keys!

EzFinger2+



EzFinger C



EzQuant



EzFinger Desktop



-
- ✓ 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+

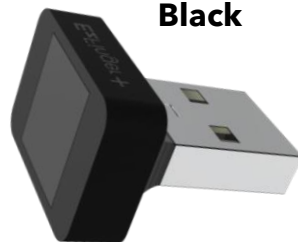
EzFinger2+ is a FIDO-certified fingerprint security key with a next-generation security chip that features enhanced cryptography, secure storage, and a faster fingerprint sensor with rapid execution. Biometrics are stored and processed within a hardware secure area that can never be accessed from outside. 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

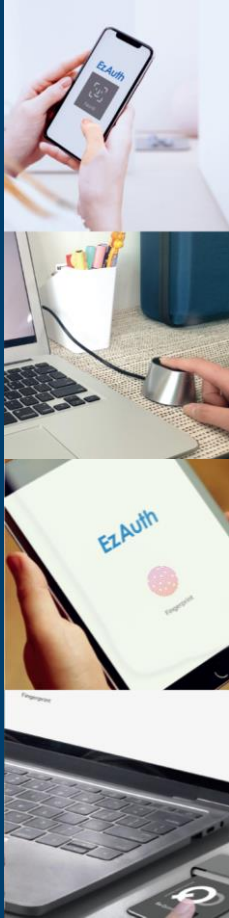


Supported PC platforms	Windows 10 and later, Mac, Linux, Chromebook	Certifications	FIDO2, FIDO U2F, Windows Hello, KC, CE, FCC, RoHS2, VCCI
Browsers	All browsers supporting WebAuthn & CTAP2, including Chrome (v.70+), Edge (v.44.18362.1.0+), Firefox (v.66.0.32+), Safari (v.13+), Opera (v.64+)	Sensor	> 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	SDK is included to integrate EzFinger with various apps and services

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

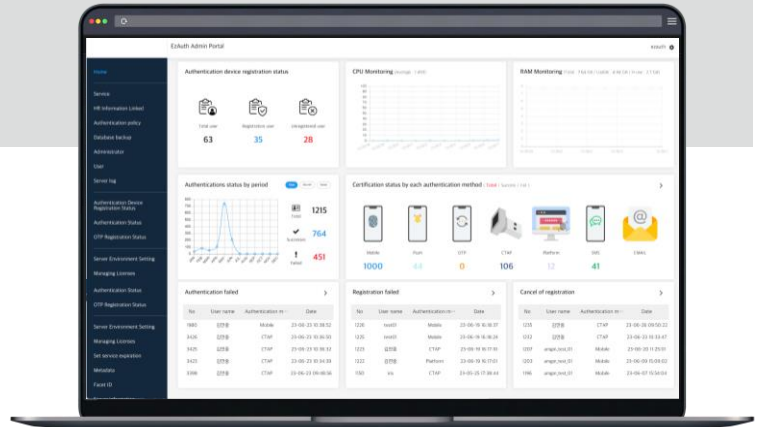
Admin Portal

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.



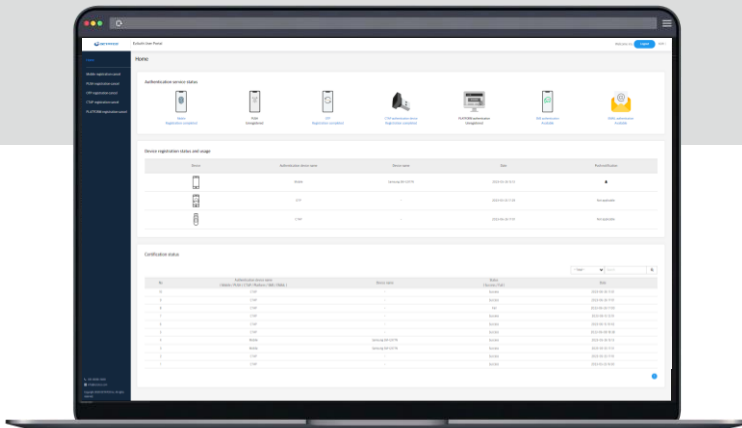
Insightful Management Dashboard

- 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 accuracy and enhanced security.

OCTATCO MFA includes a wide range of authentication methods based on **User Presence** (something you have) and **User Verification** (something you are).

Plus, our **Zero Trust** architecture follows a **Continuous Adaptive Trust** approach and verifies multiple **context factors** (e.g., network, IP, device...) for every login event before allowing authentication.

Mobile Authentication OCTATCO Authenticator App



Android Fingerprint



iPhone FaceID, TouchID



Mobile OTP

PC Authentication - embedded and external



Windows Hello biometrics



Apple biometrics



Security Keys

CAT - AI Engine



Device



GPS



Time



IP Address



Behavior Pattern



Network

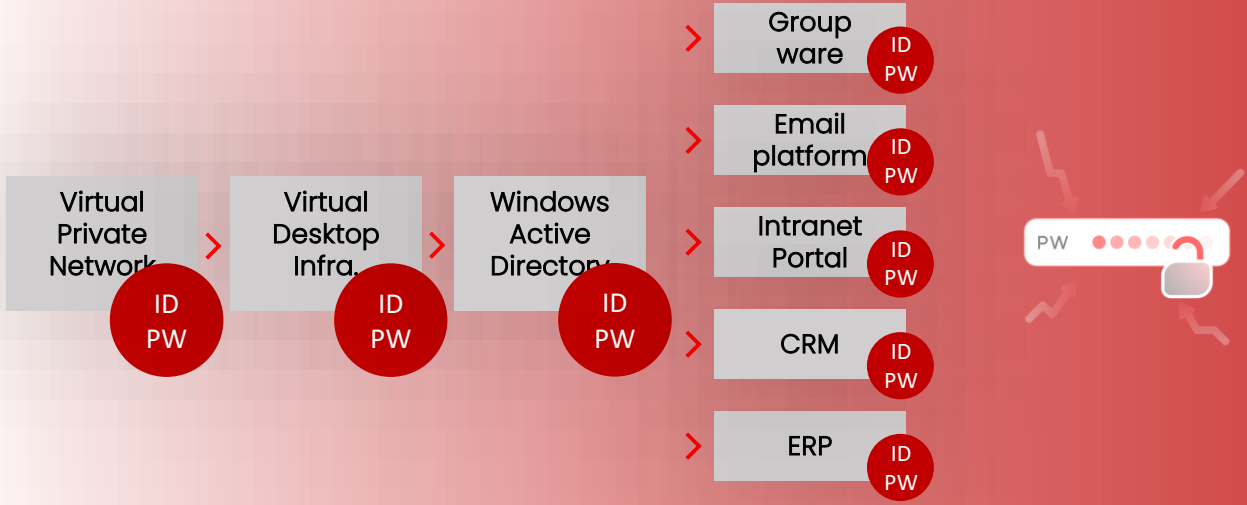
Some examples of Accessible Platforms

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	Bing	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	Dmacion	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

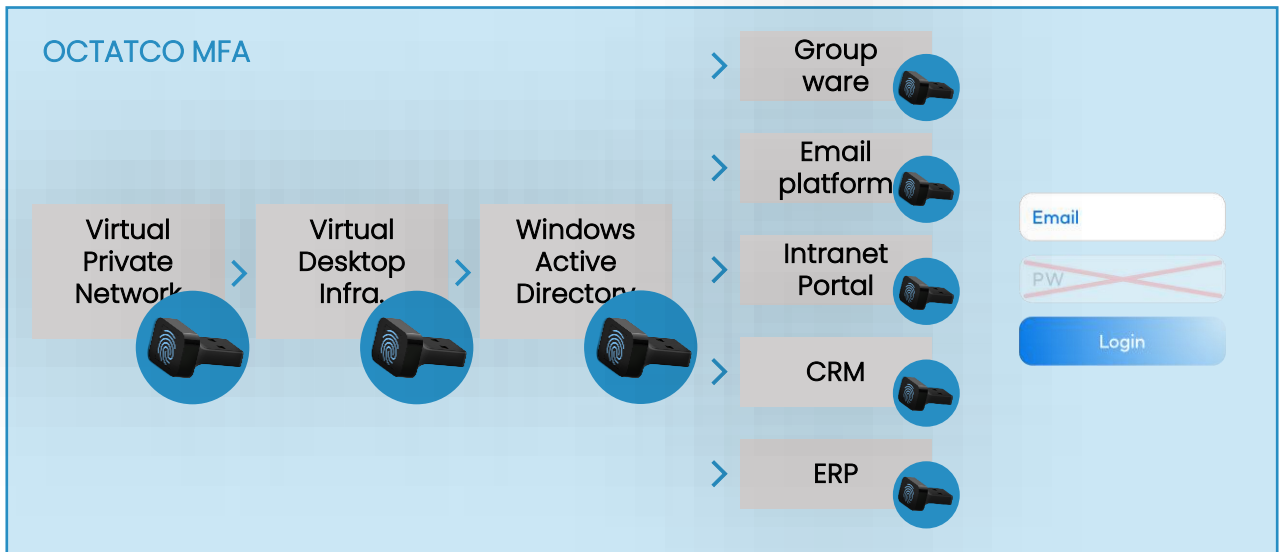
Every digital asset of an organization relying on passwords is an **open door for cyber-attacks** to access sensitive data. **Password-dependent organizations are vulnerable** and face more cyber threats such as phishing and spoofing while their users can spend up to **20 hours per year managing and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



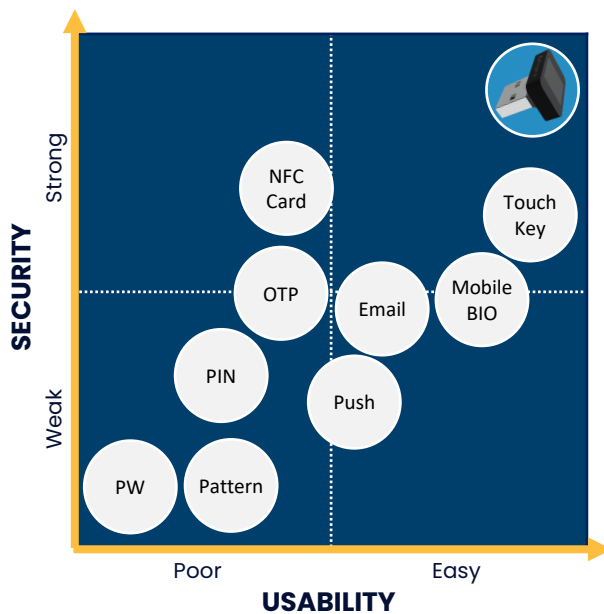
95% fewer
password
problems
Less workload
for the security
team



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

Authentication Comparison

OCTATCO Integrated Solution is the most competitive authentication security solution ahead of traditional authentication solutions by multiple technology gaps.

	OCTATCO MFA	OKTA MFA
Deployment	Cloud, On-Premise, Hybrid	Cloud, On-Premise
Zero Trust	In all packages	In some packages
Integrated h/w	Yes, with OCTATCO security keys	No, only s/w solution
Knowledge-based <i>Weak security</i>	None	Passwords and security question
Possession-based <i>Average security</i>	OTP FIDO Security Keys	OTP, Push, SMS, Email FIDO Security Keys
Biometric-based <i>High security</i>	Mobile – Apple & Android PC – Windows & Apple External – Fingerprint Security Keys	Mobile – Apple PC – Windows External – Fingerprint Security Keys

	OCTATCO SECURITY KEYS	YUBICO SECURITY KEYS
Types	Focus on user verification with only fingerprint security keys	Biometric but also less secure touch-based security keys
Biometric models	4 models USB A, USB C, card (NFC), cradle	2 models USB A & USB C
Prices	\$60, \$66, \$80, \$300	\$90, \$95
Encryption	Quantum (QRNG) available	Quantum not available
Compatibility	FIDO2, FIDO U2F Windows Hello	FIDO2, FIDO U2F Windows Hello not available
Design	Compact design, thick steel USB Side push pressure Strong and durable 	Long design, thin plastic USB Down push pressure Weak and less durable 

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](#)



OCTATCO Network

We are building a powerful ecosystem of organizations with a shared vision for **digital transformation** and **industry-leading practices**. 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)



Daejeon (5th largest Korean metropolis)
Waterworks Authority



NIS is the main Intelligence Agency in Korea regarding national security



National information security system, cyber safety, technology policies
Research Institute



National railway operator managed by the Ministry of Land, Infrastructure, Transportation

& Corporate Entities

