OTAC

One-Time Authentication Code

SSenStone is willing to be your Authentication Security Lab

We provide the highest quality authentication security service.

Inquire now.

SSenStone

🔷 Why OTAC?

Proposing a new paradigm of identification and authentication between users and devices, OTAC transcends the limitations of existing authentication technology and provides a whole new authentication experience. Even in an environment with no network connection, we can supply single-use, non-reusable, dynamic codes that can identify and authenticate between users and devices.
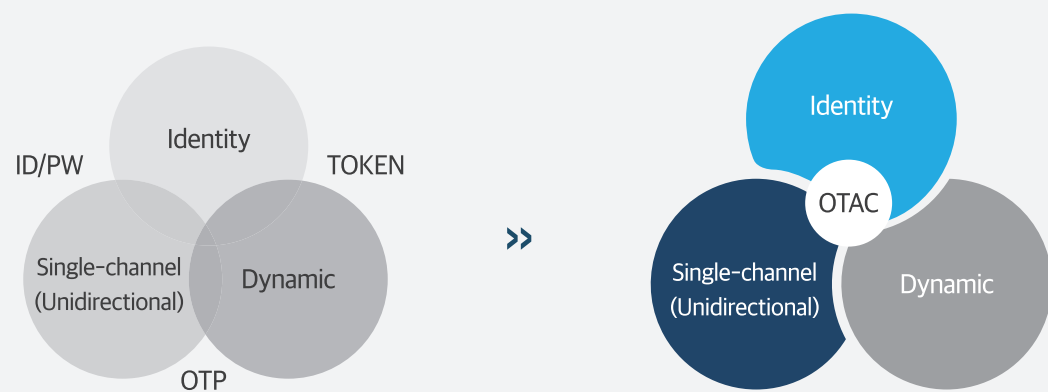
Technology	Overcoming breach of information and illegal reuse issues	User Identification by code only	Single channel network environment (additional network communication not required)	Chances of duplication with other users 0%
OTAC	✔	✔	✔	✔
ID & Password	X	✔	✔	✔
OTP	✔	X	✔	X
SMS	✔	X	X	X
ARS	✔	X	X	X
Token	✔	✔	X	X
FIDO(Biometrics)	△	✔	X	✔

🔷 Use Case

SSenStone's OTAC provides one-way, randomized user-user, device-device, and user-device identification and authentication in an algorithm as a service (AaaS), supporting the development of innovative products and services embedded with robust authentication security.

Payment

OTAC technology provides a security solution to eliminate card-not-present (CNP) fraud by generating and verifying dynamic card numbers. These numbers are made without a network connection and do not duplicate with other users.

ICAM & Enterprise

OTAC technology guarantees convenient and secure internal network access when working remotely. Smartphone or employee cards that are unconnected to the internal network can generate dynamic OTAC verification codes. Employees can then input these codes to gain access. With OTAC technology, there is no longer any need to manage frequent PW changes

Connected Car

Unlike existing digital keys limited by the vehicle's network restrictions, OTAC technology improves the user experience by allowing control of the vehicle with one-way dynamic codes sent from a smartphone, regardless of network connection status.

IoT

Applying OTAC to the communication protocols of network-connected devices and remote modules ensures authentication processes perform more securely and accurately.

M2M

Meeting the needs of the Industry 4.0 era, OTAC technology strengthens authentication security between devices and provides an authentication environment unrestricted by shadow zones and communication delays.

Military Defense

OTAC technology enables defense systems to identify friendly aircrafts, vehicles, and troops both accurately and safely.