



# OMPASS (On-Premise)

## FIDO (Fast IDentity Online) Solution

Biometric and passwordless authentication



### ► Certifications



Software Quality  
certified as level 1  
Good Software by TTA  
(ISO/IEC 25023, 25041, 25051)



Secured Login  
with FIDO Authentication  
certified by FIDO Alliance

## □ Necessity of Introducing



- Increasing demand for user authentication technology that guarantees strong security and user convenience
- Perfectly solves the risk factors of password authentication according to FIDO standard authentication method based on public key



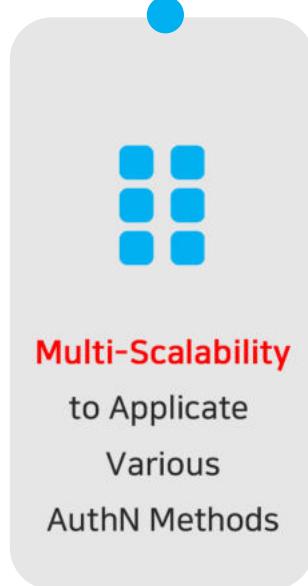
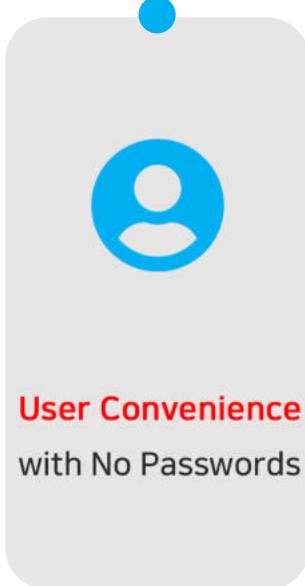
## Several Risks of Password Authentication

- |   |  |
|---|--|
| · Most users use less than 5 passwords                | · More than 50% of users have never changed their passwords in 5 years |
| · Passwords are the leading cause of 80% of data loss | · Most users reuse the same password across multiple sites             |

## □ Next-Generation Integrated Authentication Solution



Resolves the inconvenience and anxiety of password methods Guarantees user convenience and security at the same time



## □ Advantages

### ·User Convenience

Apply various authentication methods and manage integrated authentication lifecycle with this one OMPASS (mobile authentication device).

### ·Completely Eliminate Security Vulnerabilities

Through the "passwordless login", complete removal of security vulnerabilities due to password use and management and also satisfy one's security compliance.

### ·Compliance with International Standards

Comply with FIDO Alliance international standard based on public key.

# □ Key Points

## Various AuthN Methods

- **Various Authentication Methods can be Expanded**

Application of the latest various user authentication technologies based on public Key

- **User-Selectable Authentication**

Supports various authentications such as Face Recog, Fingerprint Recog, PIN, Pattern, Windows Hello login, and more

## Customer-Centric Flexibility

- **Customer-Centric Service**

Provides an optimized service for the environment of customer needs through user integrated authentication app or SDK

- **Minimize Developing Time**

Provides linking module (interface server) to minimize applying time and developing work

- **Optimized the Customer Environment**

Supports UAF (Universal Authentication Framework) and U2F (Universal Second Factor)

- **Optimized the Network Environment**

Full support for Internet and closed network environments

## Enhanced System Security

- **Secured Security**

Conducted penetration testing through a professional white hacker team and completed security measures

- **Enhanced Administrator Authentication**

Requires OMPASS authentication separately when accessing the admin page

- **IP Address Block from Unauthorized Access**

Verifies user access country that can be set by an administrator

- **Respond Strongly against Phishing Attack**

Verifies the user access device (or browser)

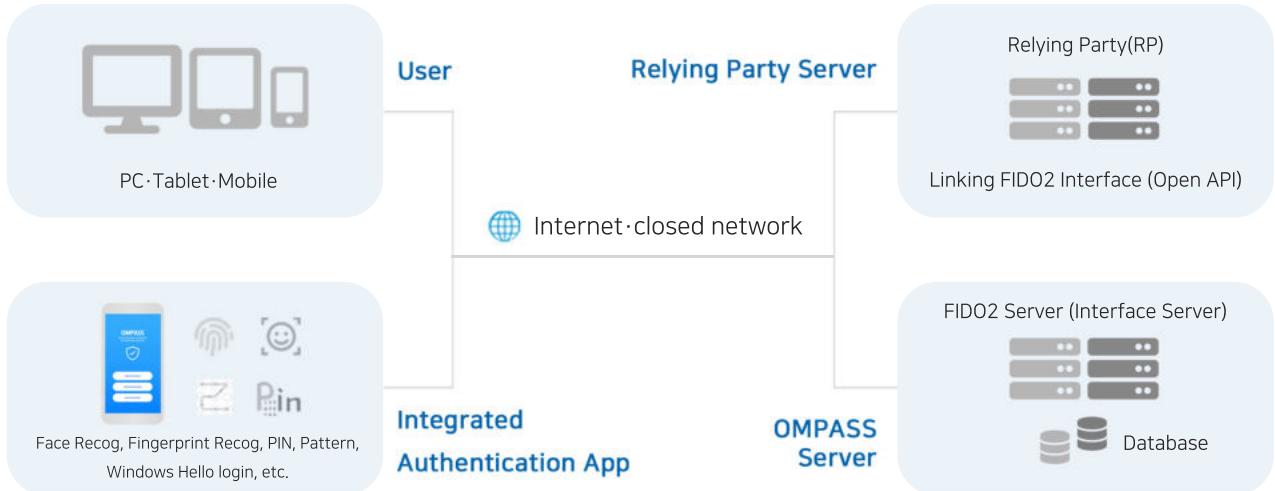
- **Reinforcement of Mobile Authentication Device Security**

Verifies the jailbreak, forgery, and latest version of the user device

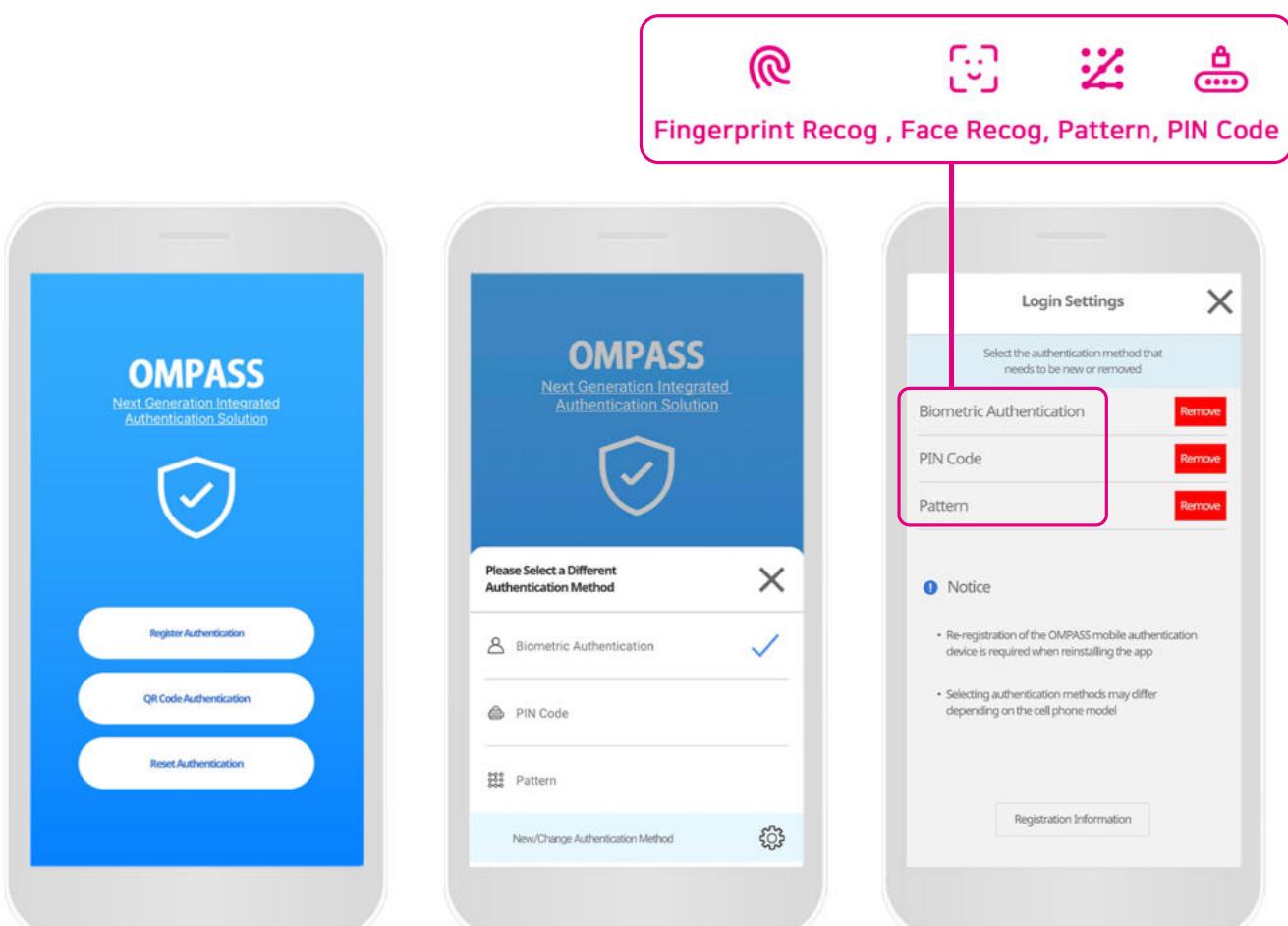
# □ Specification Diagram

## System Specifications

- Server: Windows, Linux (Intel Xeon 2GHz or higher, RAM 64GB, HDD 1TB or higher recommended)
- Client: Android, iOS



# □ Important Screen



We will keep create  
customer-centric innovative technologies  
with passion and insight.

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# OMPASS v1.0 (On-Premise)

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