

Software Development Kit

The next evolution in network authentication and security

For Windows[®] 2000, NT 4.0, Me, 98
and 95 (with USB support) systems

What's in it for you?

- Enhance your solution with state-of-the-art biometric authentication
- Powerful, centrally managed authentication platform
- Rapid development with high-level API
- U.are.U Sensor and U.are.U Keyboard Sensor are supported
- Award-winning, U.are.U Fingerprint Recognition Technology

The U.are.U Pro SDK makes it easy to add support for state-of-the-art biometric technology within your Windows solution. The SDK presents a simple, yet powerful programming model to access the framework provided by the U.are.U Pro Fingerprint Security System. High-level interfaces free you from the burden of programming many time consuming tasks, such as networking, database searches, user interface, and sensor handling. In only a few hours, developers can easily integrate with U.are.U Pro and have access to a full range of authentication services for their solution.

High-Impact Security Option

U.are.U Pro replaces inconvenient and often insecure passwords with the more secure method of fingerprint recognition. Using the U.are.U Pro SDK, you can give your application more impact by demonstrating access to your application with the touch of the finger, for example. This will present a compelling security option that differentiates your product from the competition and demonstrates to your customers strong technical leadership.

Biometric Security and Convenience

Why burden your customer with yet another password when you can help eliminate all their passwords? Security is a growing concern for everyone and passwords are annoying to all. U.are.U Pro SDK allows you to provide biometric authentication, which unlike passwords cannot be lost, forgotten, or easily acquired by others. With U.are.U Pro, users securely access your solution and the network through the touch of a finger.

Unified Administration

Today, administrators must use disparate management tools to maintain secure user authentication for the network and each

application. Authentication security features, such as password policies, are different for each application. Different tools with varied feature support limit security and add complication for both IT staff and users. U.are.U Pro allows your customers to centrally manage the authentication policies for your solution and the entire Windows network.

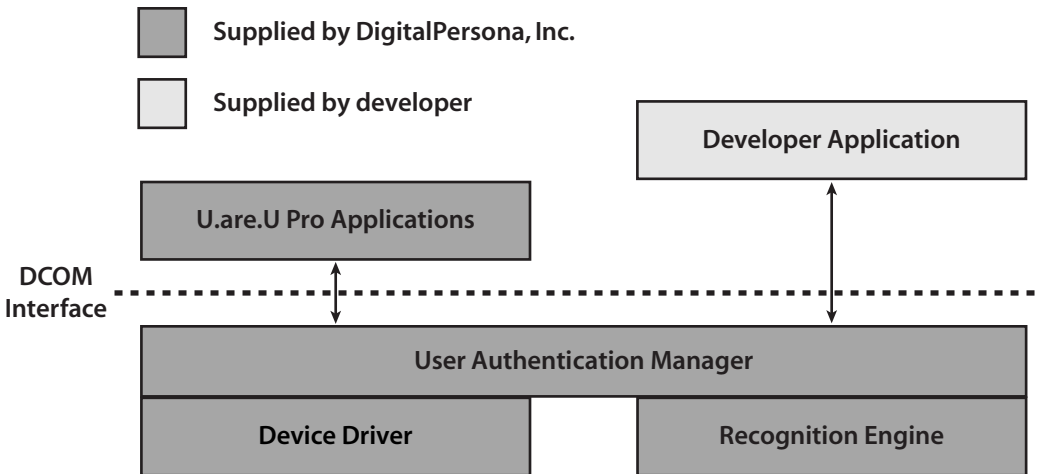
Tailored Security

Applications supported by U.are.U Pro allow administrators to individually set the level of security for each user. Users who have access to more sensitive information may require higher security. The policy editor configures which credentials the user must present to access your application. For instance, administrators can set-up simple (i.e. fingerprint only) or sophisticated multi-credential, multi-step policies. Best of all, the unified authentication platform provides policy support for your application and the Windows network.

Award-Winning System

DigitalPersona[™] is the leading provider of biometric solutions for mainstream computing. Our U.are.U solutions lead the computing industry with the most awards and accolades. We control the quality of the system components so that you can be sure that the performance of our U.are.U Sensors and U.are.U Recognition Engine software is unsurpassed. From system security to user convenience features, U.are.U is the technology leader.





- Supplied by DigitalPersona, Inc.
- Supplied by developer

U.are.U Pro SDK

- Part Number 63200-001 (CD)
- Part Number 63200-E01 (Download)

Kit Includes

- Developer's Guide
- C++ and Visual Basic sample code
- DCOM components (also accessible from scripting languages)
- * Sensor not included

System Requirements

- Microsoft Windows[®] 2000, NT 4.0 with SP4 or later, Me, 98, or 95 with USB support (OSR2 or 4.00.95.0B or greater)
- PC with Pentium-class processor
- CD ROM Drive
- USB port
- 32 MB RAM (64 MB recommended for use with Windows NT or Windows 2000)
- 1.5 MB available disk space
- U.are.U Pro Workstation
 - Sensor Package
 - Part Number 83111-001
 - Keyboard Package
 - Part Number 83130-001
- U.are.U Pro Server (optional)
 - Part Number 63000-001

Authentication Layer Overview

The U.are.U Pro SDK allows you to authenticate a registered U.are.U Pro user in a Windows-based application. When an application requires users to authenticate, they must supply their credentials, such as fingerprints or passwords, in the order and type specified by an authentication policy. If the user is authenticated, a secret (a piece of data owned by the application) is released. The application may use the secret in a variety of ways, e.g., as a password, an encryption key, etc.

Secrets, Policies and Credentials

With the U.are.U Pro SDK, you create a secret, which is information that is kept secure and can only be accessed through authentication. Secrets are securely stored in the U.are.U Pro user database, either locally or on the U.are.U Pro Server PC. If the user is a Windows network user and U.are.U Pro Server software is installed, the secret will be accessible from any network workstation.

When you create a secret, you may assign a custom policy to it, which specifies one or more authentication steps. Each step must contain at least one registered credential, i.e., a fingerprint or password. Custom policies can be managed by the Policy Editor of the Administrator Console of U.are.U Pro; however, you may also write your own

software to administer custom policies. If a custom policy is not assigned to a secret, then the default U.are.U Pro policy is used, which allows any registered fingerprint or password to be used for authentication. When you need to access the secret, the SDK-supplied authentication user interface prompts the user to fulfill the authentication steps of the associated policy. If the user successfully authenticates, the secret is then released to the application.

User Authentication Manager Interfaces

DProPolicy

This interface creates a custom policy to be later assigned to a secret.

DProSecret

This interface creates a data object, called a secret, whose content is only available to the application after successful authentication through the associated policy. When the secret is created, it is associated to a custom or the default policy.

DProAuthenticate

This interface displays the U.are.U Pro Authenticate dialog box, requiring the user to authenticate according to the policy associated with the secret. If the user successfully authenticates, the secret is released to the application.

Other U.are.U Developer Tools

- U.are.U Integrator Gold SDK
- U.are.U Integrator Platinum SDK
- U.are.U Online Service Integration Package

