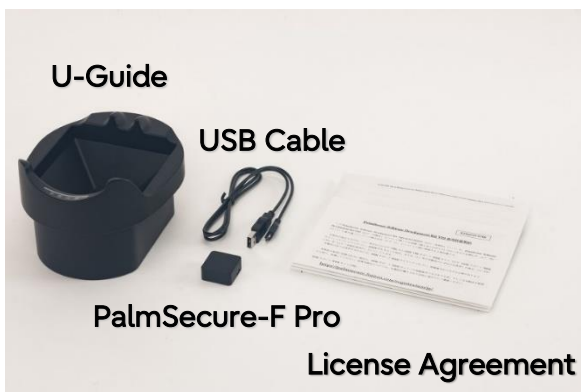# PalmSecure Software Development Kit V02
Fujitsu Biometric Authentication

FUJITSU

The PalmSecure SDK is the developer's resource for adding our proven technology to your software application and embedded hardware.

- Full-featured BioAPI
- Sample code with demo application
- Supports Windows, Linux, and Android based applications
- Device maintenance tools

SDK Contents

U-Guide
USB Cable
PalmSecure-F Pro
License Agreement

Item	Quantity
PalmSecure-F Pro sensor	1
U-Guide	1
Micro USB cable	1
SDK License Agreement sheet	1
Professional Edition License sheet	1

Download the following items from the SDK Web Site.

- Authentication Library
- License File
- Sensor Driver
- Sample Interface
- Sample Application
- Various Supporting Tools

etc

Development Requirements (Windows and Linux)

HW	CPU	Client/Server: Intel® Core™ 2 Duo 2.40GHz or above NOTE: requires SSE3/SSSE3 CPU with SSE4.2/AES-NI implemented is recommended
	Memory	Client: x86 = 1GB or above (2GB or above for Win 10) x64 = 2GB or above (4GB or above for Win 11) Server: 2GB or above
	USB interface	USB2.0 or USB3.0 (USB 3.0 is required for high-power mode)
	HDD space	Client: 231MB or above Server: 222MB or above
SW	Windows® (client)	Windows 8.1 Update (x86 and x64) Windows 10 Version 20H2 (x86 and x64) Windows 11 Version 21H2 (x64)
	Windows® (server)	Windows Server 2012 R2 Update (x64) Windows Server 2016 (x64) Windows Server 2019 (x64) Windows Server 2022 (x64)
	Linux (client/server)	CentOS 7.9-2009 [kernel: 3.10.0-1160.el7.x86_64, glibc: 2.17] CentOS 8.3-2011 [kernel: 4.18.0-240.el8.x86_64, glibc: 2.28]
Development languages		C/C++ (recommended), Java, Visual Basic.NET, and C#

Development Requirements (Linux armhf and arm64)

HW	CPU architecture	<32-bit version> Armv7-A <64-bit version> Armv8-A
	Required CPU option	NEON, VFP (CRYPTO is recommended for 64-bit version)
	Supported CPU	<32-bit version (Armv7-A)> Cortex-A15: RZ/G1M (Renesas) <64-bit version (Armv8-A)> Cortex-A53: i.MX 8M (NXP)
	Memory	<32-bit version> 256 MB or more <64-bit version> 1 GB or more
	USB interface	USB2.0 or USB3.0 (USB 3.0 is required for high-power mode)
SW	OS	Type: Linux (kernel: 3.10.0 or later) Endian: Little GNU C Library: 2.10 or more

Development Requirements (Android (Armv8-A))

HW	CPU architecture	Armv8-A (64-bit)
	Required CPU option	NEON, VFP (CRYPTO is recommended)
	Tested CPU	Cortex-A series (Cortex-A53 or Cortex-A72, Cortex-A73) -Qualcomm Snapdragon 660 Mobile Platform SoC -Rockchip RK3399
	Memory	3GB or above
	USB interface	USB2.0 (Host function must be enabled)
	Sensor	PalmSecure-F Pro (Mouse type sensor is not supported) Use the firmware V56L022 or later.
SW	OS	Android 9.0 (64-bit, 64-bit Native Library must be available)
	Software for development	Android Studio 4.0.1
		Android NDK LTS r21e

Contact