

PalmSecure Software Development Kit V02 Fujitsu Biometric Authentication

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



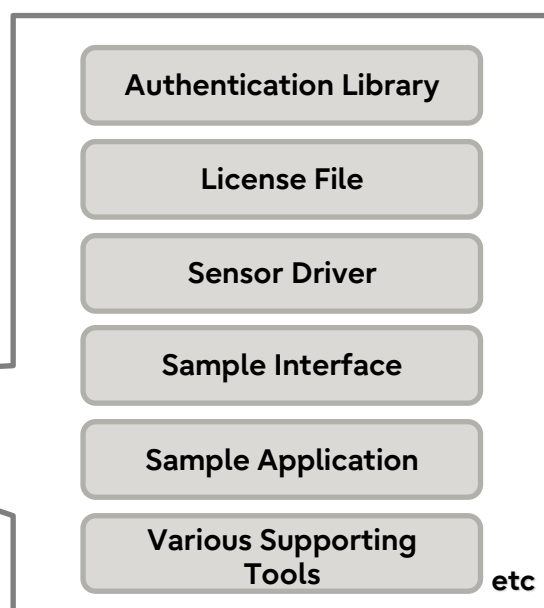
Item	Quantity
PalmSecure-F Pro+ sensor	1
U-Guide	1
Micro USB cable	1
SDK License Agreement sheet	1
Professional Edition License sheet	1

Download the following items from the SDK Web Site.



Sensor driver					
Sensor driver for extended function					
Date of Registration	Name	Revision	File Name	Size	
September 2017	Installer ver.ion	Windows (x86)	V31L37	ZIP	6,975KB
		Windows (x64)	V31L47	ZIP	6,975KB
April 2017	Source program (Note)	Linux	V31L03	---	---

(Note) We provide Linux version of Sens or driver for extended function as source code. In order to get the source code, please contact the sales persons for your region directly.

Sample Application for Microsoft .NET Framework					
Sample Application for Microsoft .NET Framework (VB.NET)					
Date of Registration	Name	Revision	File Name	Size	
April 2017	Professional Edition	Windows (x86) and (x64) (Common component)	V06L03	ZIP	207KB
May 2016	Enterprise Edition	Windows (x64)	V06L02	ZIP	20KB


Development Requirements (Windows and Linux)

HW	CPU	Intel® Core™ 2 Duo 2.40GHz or above <u>NOTE: requires SSE3/SSSE3</u> <u>CPU with SSE4.2/AES-NI implemented is recommended</u>
	Memory	x64 = 4GB or above x86 = 2GB or above
	USB interface	USB2.0 or USB3.0 (USB 3.0 is required for high-power mode)
	HDD space	222MB or above
SW	Windows® (client)	Windows 11 Version 24H2 (x64) Windows 10 Version 22H2 (x86 and x64)
	Linux	Linux kernel 3.10.0 or later, and glibc 2.17 or later -RockyLinux 9.5 (x64) -RockyLinux 8.10 (x64) Note: udev (a device manager for the Linux kernel) is required.
Development languages		C/C++ (recommended), Java, VB.NET(*), C#(*) and Qt *: .NET Framework 4.8/4.8.1 or .NET 8 is required.

Development Requirements (Linux armhf, Linux arm64 and Android (Armv8-A))

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)
	Tested CPU	<Armv7-A> Cortex-A15 <Armv8-A> Cortex-A53, Cortex-A57, Cortex-A72
	Memory	Linux: 1GB or more Android: 3 GB or more
	USB interface	USB2.0 or USB3.0 (USB 3.0 is required for high-power mode) Note: Host function must be enabled
SW	OS (Linux)	kernel 3.10.0 or later, and glibc 2.17 or later (needs to be Little Endian) - Linux-armhf - Linux-arm64 Note: udev (device management tool for Linux) is required.
	OS(Android)	Android 14 (Android NDK LTS r27 is required) Note: If you upgrade the version of Android-OS, it may become inoperable due to changes in the OS specifications. Before upgrading the operating system version, please verify beforehand or consider fixing the OS version.
Development languages		Linux: C/C++ (recommended), Java, Qt Android: Kotlin

Development Requirements for Server (Windows and Linux)

HW	CPU	4th generation Intel® Core™ Processor (Haswell) or above (Need to comply with the OS requirements as well) Note: requires AVX2/FMA/AES-NI. 2nd generation Xeon® Processor or above is recommended
	Memory	4GB or above (Need to comply with the OS requirements as well) Note: Memory space of 16KB x number of enrolled template is required for identification.
	HDD space	261MB or above
SW	Windows® (server)	Windows Server 2025 (x64) Windows Server 2022 (x64) Windows Server 2019 (x64) Windows Server 2016 (x64) Note: Millions Edition requires Windows Server 2022 or above
	Linux	Linux(x64) (kernel: 4.18 or later, and glibc: 2.28 or later) -RockyLinux 9.4 (x64) -RockyLinux 8.10 (x64) Note: Millions Edition requires GCC OpenMP shared support library(libgomp) V4.0 or above
Development languages		C/C++ (recommended), and C#

Contact

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<https://www.fujitsu.com/jp/group/frontech/en/>

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