FUJITSU

Data Sheet
PalmSecure® Products
Fujitsu PalmSecure F-Pro Suite

Award-Winning biometric authentication technology for virtually any application

Fujitsu introduces PalmSecure F-Pro Suite

- FAR: under 0.00001% and FRR: 1.0% (no retry) (with I33 format)

- New sensor is 50% smaller than legacy sensors

- Reduced dimensions makes for easier integration where footprint matters

- Exposure time reduced to prevent blurring when capturing palm vein data which improves enrollment and authentication

- Frame rate is increased to capture a slowly moving palm

- Improvement in environmental tolerances especially temperatures and exposure to sunlight

- PalmSecure F-Pro SDK provides fast and easy integration to most applications, shortening time to market

- P-Pro suite includes F-Pro enhanced sensor, F-Pro and U-Guide, F-Pro Standard and hand guide, and F-Pro Mouse and hand guide

PalmSecure F-Pro

Fujitsu PalmSecure F-Pro Suite

Fujitsu biometric authentication technology for any application.
Fujitsu PalmSecure technology is a palm vein based authentication solution that utilizes industry-leading vascular pattern biometric technology. The Fujitsu PalmSecure sensor uses near-infrared light to capture a person's palm vein pattern, generating a unique biometric template that is matched against pre-registered user palm vein biometric templates. And now Fujitsu has raised the bar with the PalmSecure F-Pro suite that enhances the capture and authentication of templates.

System integrators who want to provide their customers with the ultimate in biometric identification can now leverage F-Pro products. The F-Pro sensor is 50% smaller than the legacy sensor, making it easier to install when and where footprint really matters. Reduced exposure time enables the F-Pro sensor to capture and authenticate templates more quickly, even the ability to capture a slowly moving palm. And changes to environmental tolerances enable F-Pro to operate in higher ambient sunlight and a wider range of temperature conditions.

The palm vein device can only recognize the pattern if the blood is actively flowing within the individual's veins, which means that forgery is virtually impossible. This advanced, vascular pattern recognition technology provides highly reliable authentication. The PalmSecure technology false accept rate is just 0.00001 percent with an exceptional false reject rate of 1.0 percent, all in a small form factor that generates extremely fast authentication, usually under one second.

The Fujitsu F-Pro suite consists of the enhanced F-Pro, the F-Pro and U-Guide for enrollment, the PalmSecure F-Pro Mouse and hand guide that eliminates the need to enter passwords and the F-Pro Standard and hand guide.

F-Pro U-Guide

| F-Pro Standard | F-Pro Standard Guide | F-Pro Mouse | F-Pro Mouse Guide |

Fujitsu PalmSecure F-Pro Suite Specifications

Reading system		Near-infrared light patern capture
Scope of capture		Entire palm
Capturing distance		40-60mm Enrollment and 35-70mm Authentication
Dimensions		Width 29 x Depth 29 x Height 13mm
Weight		Below 12 g
Voltage of Power supply		4.4 to 5.4 V
Current consumption		500 mA (Max at normal-power mode) 900 mA (Max at high-power mode)
	Power saving mode	50 mA (Max)
Power consumption		2.5 W (MAX AT NORMAL-POWER MODE) ; 4.5 W (MAX AT HIGH-POWER MODE)
Power source		Provided by the USB Interface cable
Host interface		USB 2.0 Cable; Maximum length supported is 4m
Interface connector		Series "Micro-B" plug (with 5 pins)
Installation environment	**Installation angle**	Full direction
	Temperature	-40 to 85 degrees Celsius
	Humidity	20 to 90%RH
Material of the surface of Sensor unit		Glass
Encryption method		AES (Length of cryptography key more than 128 bit)
Authentication rate		FAR: under 0.00001% and FRR: 1% (no retry) (w/I33 format)
Applicable Standards	**Electromagnetic wave standard**	VCCI CLASSB, FCC CLASSB, EN CLASSB
	Safety Standard	UL60950-1, EN60950-1
	Environmental Regulation	CONFORMS TO ROHS AND WEEE
Warranty		1 Year (F-Pro sensor only)
Operating Systems Supported		Professional Edition: - Windows 7 SP1 (x86 and x64) - Windows 8.1 Update (x86 and x64) - Windows 10 ver. 1607 (x86 and x64) - Linux (x64) (kernel 2.6.32 or later)	Enterprise Edition: - Windows Server 2008 R2 SP1 (x64) - Windows Server 2012 (x64) - Windows Server 2012 R2 Update (x64) - Windows Server 2016 (x64) - Linux (x64) (kernel 2.6.32 or later)

For more information, call us at 877-766-7545 or visit us at: http://us.fujitsu.com/palmsecure