PalmSecure-F Pro

FUJITSU Biometric
Authentication PalmSecure

Award-Winning biometric authentication technology

- FAR: below 0.000001% with FRR: 1%
- The size of the PalmSecure-F Pro sensor is 1/3 of the previous generation sensor
- 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

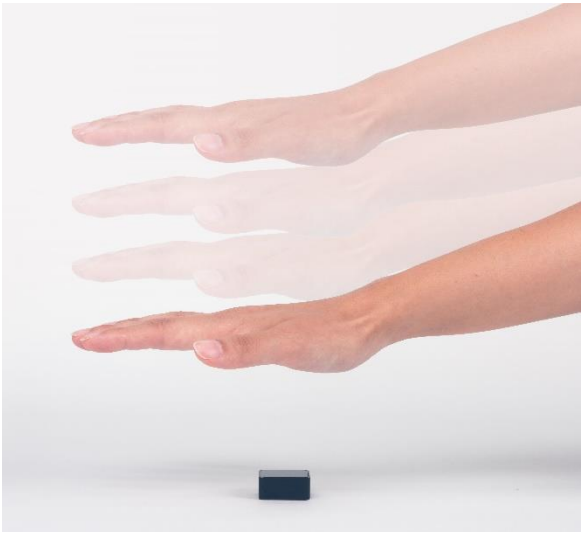
Fujitsu biometric authentication technology for any application.

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 immediately encrypted in the sensor before transmission. 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 size of the F Pro sensor is 1/3 of the previous generation sensor, making it easier to install when and where a footprint really matters. Improved capture time enables the F Pro sensor to capture and authenticate 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 temperature conditions.

This advanced, vascular pattern recognition technology provides highly reliable authentication. The PalmSecure technology false acceptance rate is below 0.000001 percent with an exceptional false rejection rate of 1 percent, all in a small form factor that generates extremely fast authentication, usually under one second.

The PalmSecure-F Pro suite consists of the enhanced F Pro sensor, F Pro Mouse and F Pro Standard.

PalmSecure-F Pro sensor
<29 x 29 x 13mm>



PalmSecure-F Pro Sensor Specifications

Item		Specifications		
Product Name		PalmSecure-F Pro	PalmSecure-F Pro Standard	PalmSecure-F Pro Mouse
Outlook				
Dimensions		29(W)×29(D)×13(H) mm	46(W)×46(D)×16(H) mm	50(W)×90(D)×26(H) mm
Weight		Below 12g	Below 25g (without cable)	Below 80g (with cable)
Host interface		USB2.0 (only Hi Speed) (USB3.0 port is required when using high-power mode)		
Interface cable		USB Cable (up to 4m)		
Mouse type		-		laser mouse (1,000 dpi)
Sensor surface		Glass		
Voltage/current		DC5V, 500mA (max at normal-power mode)		
		DC5V, 900mA (max at high-power mode)		
		50 mA (max at power saving mode)		
power source		USB bus power		
Temperature		-40 to 85 degrees Celsius	5 to 35 degrees Celsius	
Humidity		20 to 90%RH (Non-condensing)	20 to 80%RH (Non-condensing)	
Lighting environment	**Authentication**	<Normal-power mode> Natural light (sunlight): under 45,000lux		
		<Normal-power mode> Incandescent/Halogen lights: under 9,000lux		
		<High-power mode> Natural light (sunlight): under 80,000lux		
		<High-power mode> Incandescent/Halogen light: under 18,000lux		
	Enrollment	Natural light (sunlight): under 5,000lux		
		Incandescent/Halogen lights: under 1,700lux		
Authentication rate		When FRR is 1%, FAR is Below 0.000001%		

PalmSecure™

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