PalmSecure F-Pro
Fujitsu Biometric Authentication

FUJITSU

Award-Winning biometric authentication technology

- Amazingly fast and easy contactless operation
- Palm vein-based authentication solution that utilizes industry-leading vascular pattern biometric technology
- Sensor uses near-infrared light to capture an internal palm vein pattern, generating a unique encrypted biometric template
- One of the most accurate and secure biometrics in the industry with FAR: below 0.000001% and FRR: of 0.01% (with 1 retry)

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 exceptionally reliable authentication. The PalmSecure technology false acceptance rate is below 0.000001 percent with an exceptional false rejection rate of 0.01 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

PalmSecure F-Pro Sensor

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)		
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		
Lighting environment (Enrollment)	Natural light (sunlight): under 5,000lux Incandescent/Halogen lights: under 1,700lux		
Authentication Accuracy	When FRR is 0.01% (with 1 retry), FAR is Below 0.000001%		
Mouse type	-		laser mouse (1,000 dpi)

Contact

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