

# PalmSecure™

## Palm Vein Authentication Solution

### Award-winning Palm Vein Imaging Technology For Secure Identification and Authentication

Robust biometric authentication technology for your high-security applications

#### Accurate and Secure

- Advanced biometric authentication algorithm delivers ultra-low FAR (false accept rate) and FRR (false reject rate)
- Contactless palm vein authentication is hygienic and noninvasive - No Residual Trace Technology
- Encrypted repository for template storage & enterprise level event logging capability
- PalmSecure Authentication recognized by leading International Security Bodies, including International Common Criteria and CNIL

#### Speed and Extensibility

- Quick-start deployment across the enterprise raises security and adds value
- SDK (Software Development Kit) for organizations deploying PalmSecure technology
- Fast and easy registration with virtually no enrollment error.
- Biometric integration for third party Single Sign-On (SSO) solutions with PalmSecure LOGONDIRECTOR



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# PalmSecure

## Palm Vein Authentication Technology

The Fujitsu PalmSecure technology is a palm vein based strong authentication solution that utilizes industry-leading vascular pattern biometric technology. This award-winning innovation offers a highly reliable, contactless biometric authentication solution that is non-intrusive and easy to use.

PalmSecure technology has been deployed worldwide in a wide range of vertical markets, including security, financial/banking, healthcare, commercial enterprises and educational facilities. Additional applications include physical access control, logical access control, retail POS systems, ATMs, kiosks, time and attendance management systems, visitor ID management and other industry-specific biometric applications.

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 patterns. 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 0.00008 percent with an exceptional false reject rate of 0.01 percent, all in a small form factor that generates extremely fast authentication, usually under one second.

To ease work flow and protect digital assets, Fujitsu also developed PalmSecure LOGONDIRECTOR (PLD) which seamlessly works with many leading Single Sign-On (SSO) software solutions and increases security, while significantly reducing the costs associated with password management.

### PalmSecure Specifications

#### Supply voltage (from USB power)

4.4 to 5.4V (Input current: up to 500mA)

#### Power consumption

2.5W or less

#### FAR (false accept rate)

0.00008%

#### FRR (false reject rate)

0.01%

#### Palm Capture Distance

2 inches from the surface of the sensor (+/- a half inch)

#### Reliability

MTBF (mean time between failure):  
830,000 hours for sensor only. 250,000 hours for controller only

#### Authentication response time

Less than 1 second

#### Sensor surface material

Glass

#### Acoustic noise

None

#### Operating temperature

0°C to 60°C

#### Outer dimensions (sensor only)

1.37(W) x 1.37(D) x 1.06(H) inches

#### Supported OS

Client: Windows® 7, XP Pro, Vista, Redhat Linux Ver. 5  
Server: Windows Server 2003 and 2008, Redhat Linux Ver. 5

Hardware Components	
FAT13M1S1	PalmSecure Sensor (includes IP License)
FAT13H1B1S	PalmSecure Silver Shell Sensor Holder
F3U138-06	PalmSecure USB Cable
FAT13G1B02	Flip Flop Hand Guide
CG80000-129201-FJT	Black Hand Guide
FAT13M1MSG	PalmSecure Mouse
FAT13G1C04 PalmSecure Mouse Hand Guide	
FAT13S1A03	SDK
FAT14EN1WA	Enterprise Edition V30 Multithread- 1 license per CPU
FAT14EN1WB	Enterprise Edition V30 Multithread- 5 pack of licenses per CPU

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



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