

PalmEntry™

Access Control System

Award-Winning biometric authentication technology for secure access

PalmSecure Vein Recognition Technology Offers Robust Biometric Authentication to Enhance Physical Access Security

- ▶ Contactless palm vein authentication is fast, hygienic and non-invasive
- ▶ No biometric footprint or residual trace left behind after authentication
- ▶ Advanced biometric authentication algorithm produces a high level of accuracy with low FAR (false accept rate) and FRR (false reject rate)
- ▶ Fast and easy enrollment for all users with virtually no registration failure
- ▶ Robust biometric controller can be mounted remotely in secure area
- ▶ Encrypted template repository
- ▶ Compact design with flexible integration for easy installation into existing access control systems via Wiegand or IP interfaces



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The Fujitsu PalmEntry access control system, is a robust authentication system that utilizes vascular pattern biometric technology to deliver fast and convenient identification. This award-winning innovation offers secure physical and logical access control to customers in healthcare, financial services, government, retail, education and other industries with a highly reliable, contactless biometric authentication solution that is non-intrusive and easy to use.

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 not only provides highly reliable authentication with low false accept and reject rates, but also generates fast and easy enrollment.

Compared to fingerprint and other biometric authentication technologies, the Fujitsu PalmEntry Access Control system is a hygienic, contactless solution that is highly applicable to all users including children. PalmSecure authentication is not affected by the presence of hand lotions, chemicals, abrasions, skin conditions or effects of cold environments. PalmEntry access control provides enterprises with a superior security alternative and users will enjoy the fast, simple, and non-intrusive access. It is the ideal solution for secure areas, schools, daycare centers and medical facilities.

The Fujitsu PalmEntry Physical Access Control technology delivers advanced biometric authentication that is easy to integrate into existing hardware infrastructures. To meet multi-factor authentication requirements, the system can be integrated with other modalities including pin pad, magnetic swipe, proximity card, and smart card technologies. Its flexible and scalable PalmEntry Access Control Software can be easily configured to interface with existing access control systems.

PalmEntry Access Control Specifications

Authentication Support

PalmEntry controller can support up to 20,000 templates locally
PalmEntry Server Software can support unlimited templates

Interface I/O

Two USB 2.0, CAT-5, Wiegand IN / OUT, LED cable

Ethernet

10/100Base-T, SMCS PHY

Wiegand Inputs / Outputs

Supports 26 bit, Corporate 1000™
Wiegand input for secondary authentication device

Palm focal length (from sensor surface)

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

LED's

4 LED's (Ready, Busy, Access granted, Access denied)

Supply voltage

12V to 24V external supply, PoE (if available)
PoE 802.3af (12.5W)

Power consumption

6W

Operating temperature

0°C to 50°C

Outer dimensions (DxWxH)

Controller: 106 x 95 x 28 mm. Handguide: 180 x 111 x 30 mm*

Supported OS

Windows XP/ Windows 2003 Server/ Windows Vista / Windows7

Safety / Agency Approvals

UL 60950-1, CE (EN 55022, EN 55024), FCC (Class A, Part 15)

* excluding optional wall mount bracket



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

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