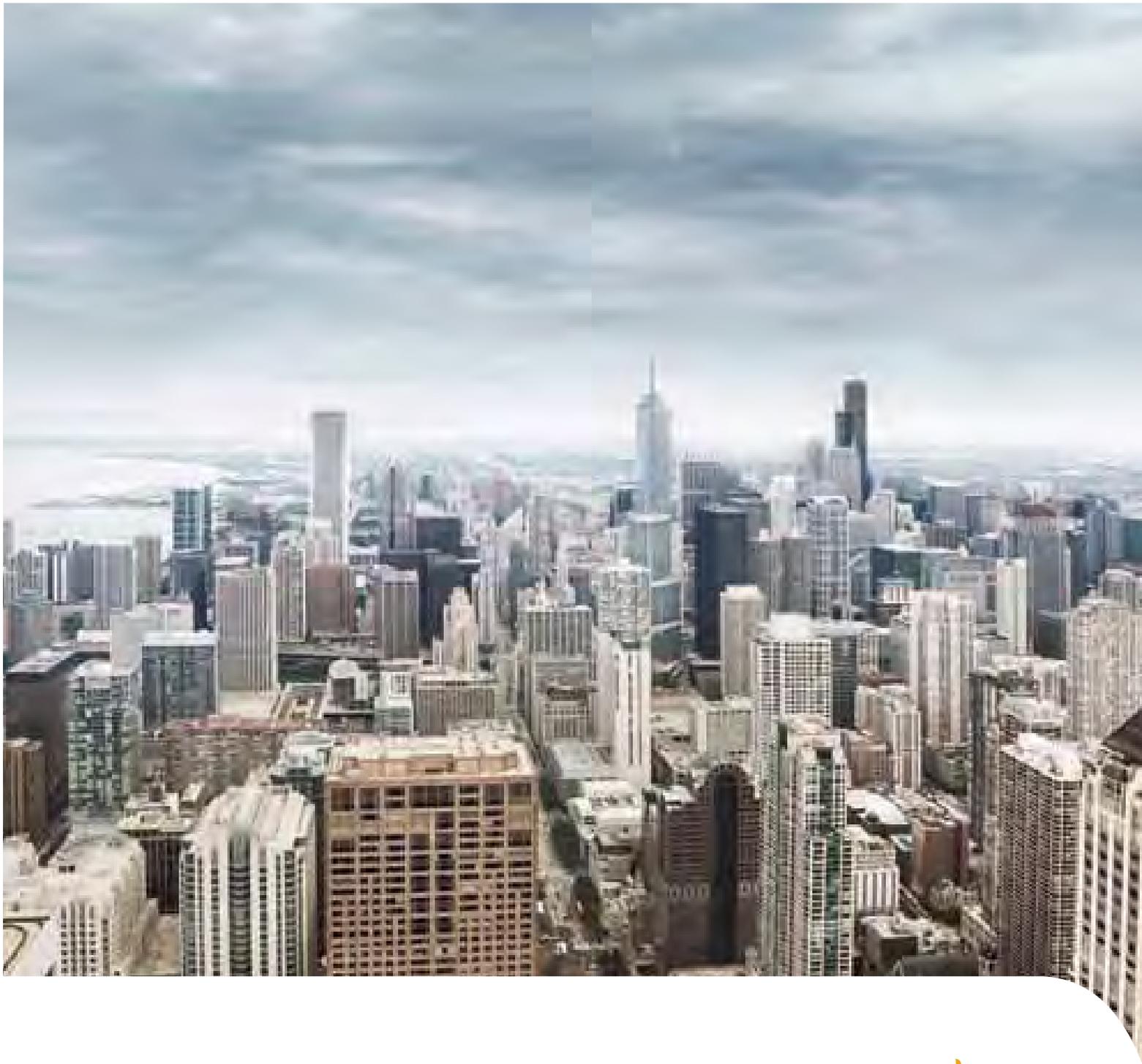


Global Solutions



shaping tomorrow with you



Fujitsu's PalmSecure™
is the world's most
advanced biometric
authentication
system

It's the fastest, simplest, most versatile and efficient system available to verify your identity: to make sure that you are, in fact, who you say you are.

PalmSecure works by reading the vein pattern in your palm, a pattern that, unlike your fingerprints, resides inside your body and is impossible to duplicate.

You simply hold your palm over a small infrared scanner (without touching it) and within a second your identity is verified.

Your bank cards, your smart cards, your PIN numbers, your passwords could all be stolen from you, but no one could ever steal the vein pattern in your palm from you—which makes that pattern a golden key to your security.

And now, thanks to Fujitsu, that key is in your hands.

shaping
tomorrow
with you





The vein pattern in your palm is totally unique to you. No one else in the world can match it.

Fujitsu is your worldwide partner for PalmSecure software solutions and access control.



How does PalmSecure work?

PalmSecure, which is the result of over 20 years of Fujitsu's research into image recognition and processing technology, is a contactless, hygienic, non-invasive system that's fast, accurate, and easy to use. Simply hold your palm a few centimeters over a small scanner, and within a second the scanner captures a near-infrared image of your unique vein pattern. A proprietary algorithm takes this image, converts it into a digitized biometric template, and then matches it against a database of pre-registered templates. If a perfect match is found, your identity is verified.



Hold palm over scanner



Scanner reads vein pattern



Your identity is verified

Features of PalmSecure

Highly Accurate

PalmSecure has an experimentally-proven false rejection rate of 0.01%, and a false acceptance rate of less than 0.00008%. No other system in the world can match this kind of performance.



Easy-to-Use

PalmSecure is effortless to use. The scanning process is carried out in a simple and natural manner that is not awkward to the user or difficult in any way. Users intuitively sense the 'naturalness' of the system and have no psychological resistance to it.



Hygienic and Non-Invasive

Because the system is contactless, it is completely hygienic—a consideration of significant importance to everyone, but especially to those in hospitals or other medical settings. In addition, PalmSecure is non-invasive: the near-infrared rays used in the scanner have no effect whatsoever on the body.



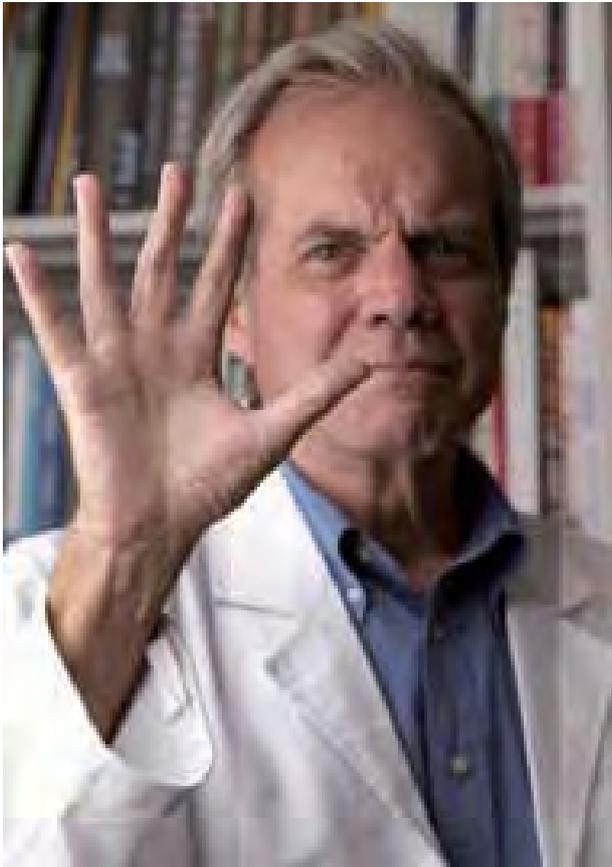
Can Be Embedded

The PalmSecure system can be embedded in all kinds of flat-type products, including laptop computers, copiers, printers, fax machines, wall-mounted room access systems, and eventually even mobile phones.



AWARDS

Fujitsu has won many awards for its highly original, world-acclaimed PalmSecure system, including the Wall Street Journal *Technology Innovation Award for Security in Networks* (2005); the *Best of Innovations in the Biometrics Category* of the CES Innovations Design and Engineering Awards (2006); and the 2007 CES Innovations Design and Engineering Showcase Honors.



To date more than 50,000 PalmSecure units have been sold in 34 countries with over 1,000,000 users.

PalmSecure has already found a wide range of applications – a range that is continually expanding.



VERSATILITY

TIME ATTENDENCE & PHYSICAL ACCESS CONTROL

Employee Time Recording/Access Control

For companies looking to achieve greater efficiency in human resources management, PalmSecure is an excellent choice. It is perfect for such advanced systems as cardless Employee Time Recorders, and cardless/keyless access control to doors, computers, printers, copiers and other office equipment. By eliminating the need for cards or keys or passwords, it significantly simplifies office procedures.



MEDICAL

Patient Registration/ Medical Records System

PalmSecure can be integrated into an existing medical records system to unfailingly guarantee patient identity, thereby preventing improper medicines or medical services from being given to patients, as well as preventing medical identity theft/ insurance fraud, and putting a stop to duplicated medical records. In addition, a PalmSecure system can greatly accelerate registration efficiency and convenience, and foster development of patient services.



PUBLIC FACILITIES

Libraries, Government Buildings, Airports, Train Depots

In December, 2005, Fujitsu was awarded a contract by Naka City in Japan's Ibaraki Prefecture to construct the world's first library system using palm vein authentication technology—so that books can be checked out without the use of library cards. Public facilities like libraries are a natural application for the PalmSecure system, as are such other public facilities as government buildings, airports, train depots, etc. , which can use the system to eliminate the need for cards, keys or passwords in access control.



FINANCIAL

A Radical Solution to the Problem of Bank Card Theft/Forgery

In 2004, the Suruga Bank and the Bank of Tokyo-Mitsubishi were the first in the world to deploy a secured account service utilizing the contactless palm vein authentication system. They were followed by several other banks in Japan in 2005. And now Fujitsu is offering the system, which combines palm vein authentication with the use of a smart card, to banks throughout the world. Properly implemented, the system completely solves the problem of bank card theft and forgery. With PalmSecure your ATM systems will always be safe.



SSO & ID MANAGEMENT

No More Forgetting Multiple IDs/Passwords or Sharing IDs/Passwords

PalmSecure offers a range of PC and network security functions (strong authentication for Single Sign-On) with various solutions (Single Sign-On and ID Management). Single Sign-On with PalmSecure will provide perfect identity management for the accessing of secret or restricted information. And ID management will provide perfect access control to files and data.



Software Development Kit (SDK)

The PalmSecure system can be bundled with a software development kit (SDK) which comes with sample applications and authentication rate evaluation tools, in addition to a dedicated technical support website. The kit, which includes a thorough, resourceful troubleshooting guide, greatly facilitates pilot testing and system implementation.

WORLDWIDE IMPLEMENTATIONS

Fujitsu first commercially introduced PalmSecure in Japan in July, 2004. The system was quickly adopted by major Japanese financial institutions, universities, libraries, governmental organizations and a range of private enterprises. By June, 2005, after PalmSecure had won a number of prestigious international awards, the system had generated considerable interest in nations all across the earth. As a result, in March, 2006 Fujitsu officially launched worldwide sales of the system, and so far has sold 50,000 PalmSecure units in 34 countries with over 1,000,000 users. And this, of course, is only the start. The story of PalmSecure has only just begun.

U. S. A.

In July, 2007 the Carolinas HealthCare System (CHS), the largest public healthcare system in the Carolinas (North and South Carolina), and the third largest in the entire U.S.A., announced that it would deploy the Fujitsu PalmSecure system throughout all its hospitals in the Charlotte (North Carolina) area. The deployment is part of a solution to more quickly and efficiently register patient information, and to safeguard patient identities and medical records. CHS carefully considered a number of biometric options, and finally chose Fujitsu PalmSecure due to its high accuracy and non-invasive user interface. After choosing the Fujitsu system, CHS conducted a pilot program at several of its major hospitals, as a result of which it found that PalmSecure significantly improved the patient registration process. Consequently CHS has decided that it will eventually deploy the system throughout all of its hospitals.



Brazil

In the first half of 2006 the Banco Bradesco S.A. of Brazil, which is the largest private bank in Latin America, with 16.6 million individual and corporate customers and more than 23,000 ATMs, started internally testing Fujitsu's PalmSecure, with general implementation throughout its system scheduled to take place soon thereafter. The bank, which selected PalmSecure after thoroughly researching a number of biometric technologies, was impressed by the many outstanding features of the Fujitsu system, including its high verification accuracy and non-invasive, hygienic user interface. It was also impressed with the compact nature of the PalmSecure sensor, which enables it to be used in a very broad range of applications, including PCs, ATMs, and wall-mounted building and room access systems.



India

Since October 2008, Fujitsu India along with its partners have been implementing PalmSecure solutions at Public Sector, Manufacturing, Railways, Fitness Clubs, Offices, e-Government applications and High secured Govt. Establishments. For Railways, PalmSecure has been integrated with Breath Analyzer and flawlessly establishes the identity of the locomotive driver before he is given a locomotive to drive. For the e-Government program, PalmSecure checks the respondents' identity so as to prevent duplication of responses.



SOFTWARE SOLUTIONS

The SENSOBRAIN® Technology:

The SensoBrain® technology is unique on the security market. Created and developed by Sensometrix, the SensoBrain® is the world's most powerful biometric identification accelerator. It offers exceptional performance with the ability to verify several million of biometric data points in a fraction of a second. The SensoBrain® is the world's first and only biometric accelerator which can be interfaced with any type of biometric technology and accelerates the identification process so that an individual can be identified in just a few hundredths of a second while still guaranteeing one of the highest security levels on the market.

Contact: info@sensometrix.ch or www.sensometrix.ch



Softex OmniPass

Fujitsu PalmSecure and OmniPass Enterprise Single Sign-On provide a powerful combination of strong biometric authentication and password management for log-in security, access management and data protection for both client and enterprise environments.

Contact: https://www-s.fujitsu.com/us/services/biometrics/palm-vein/inquiry_form.html



Siemens ID Center

ID Center is a central authentication service which combines tokens like smart cards, fingerprint biometrics and Fujitsu Palm Secure into one solution for supremely secure access control. ID Center has been in use in more than 100 enterprises since 2002, and is a mature, stable and reliable product.

Contact: fpsolutions.at@siemens.com



HT Systems PatientSecure

HT Systems' PatientSecure, when integrated with an existing medical records/patient registration system, prevents improper medical services from being given to patients, prevents medical identity theft/ insurance fraud, and puts a stop to duplicated medical records by accurately identifying patients using the PalmSecure biometric scanner.

Contact: <http://us.fujitsu.com/palmsecure>

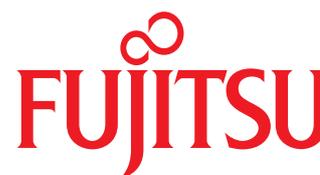


PalmSecure LOGONDIRECTOR

Fujitsu PalmSecure Logon Director software provides best-in-class solution for login security, access management, and data protection for your enterprise. It seamlessly integrates with leading Single Sign-On software, such as Citrix Password Manager, to enhance access security, providing quick and easy user authentication without lengthy password entries.

Contact: <http://us.fujitsu.com/palmsecure>

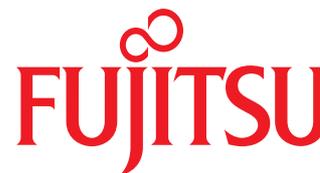
https://www-s.fujitsu.com/global/contact/solutions/PALM_form/html



MoC SDK

The Fujitsu PalmSecure™ Match on Card (MoC) SDK is targeted for applications where a high level of security with biometric technology and smart cards is desired, as for example in banking, government, and health care. With this solution customers' policies and processes can be implemented easily and securely at low cost.

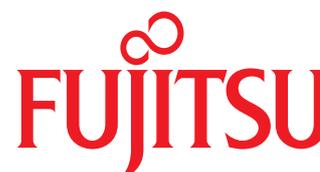
Contact: https://www-s.fujitsu.com/global/contact/solutions/PALM_form.html



mPollux PalmSign

Fujitsu mPollux PalmSign™ is an evolving set of products which integrates into the existing mPollux product family. The mPollux PalmSign™ PC Login provides a biometric login for Windows by implementing a Microsoft Windows™ log-in replacement which is integrated into Fujitsu's palm authentication technology using a PalmSecure sensor. PalmSign also enables login to web applications using a PalmSecure sensor.

Contact: mpollux-sales@fi.fujitsu.com



SOFTWARE SOLUTIONS

"CLINTRACC"

CLINTRACC is a Fujitsu PalmSecure™ based product which will enable pharmaceutical companies to manage their bio-equivalence and bio-availability study related activities more efficiently. Volunteer management, study & period management and transfers are some of the key modules that form an integral part of the system.

URL : <http://www.vimta-spl.com/>



HCL's InfoVMS (Visitor Management System)

HCL InfoVMS is well known in the market for effective Visitor Management capabilities, Integration with other systems and offering a secure environment. When integrated with access control system, InfoVMS, with Fujitsu's Palm Secure sensor, has offered enhanced security and better Visitor tracking feature.

URL : <http://www.hclsecurity.in/>



eSecureLog

Based on the revolutionary concept of Fujitsu PalmSecure, eSecureLog is a solution that is modular, scalable, biometrics based, secure and efficient. eSecureLog is an application which is designed to cater to all attendance management issues of an organization. eSecureLog not only stores and manages the data in a very resourceful way; it also uses the power of Reports to convert the data into meaningful and utilizable information.

E-mail : sales@ilfstechologies.com



World Security Exchange (WSX)

World Security Exchange (WSX) is the first of its kind, a unique medium in the world which creates a Security Umbrella for People, Businesses, Workers and Domestic help while networking them with law enforcers & protectors, security providers, security givers providing complete protection to all.

URL : <http://www.worldsecurityexchange.com/>



FitnessForce

FitnessForce software is a web-based solution that manages any type of club's business requirements in one place on a user friendly platform. This includes Customer Service, Billing, Marketing, Sales Follow Ups, access control, etc. Integrated with PalmSecure, FitnessForce facilitates improved customer mapping and enable enhanced services.

URL : <http://www.fitnessforce.com/>



Godrej Security Solutions

Godrej Security Solutions brings out the PalmSecure integrated solutions as part of their total security solutions.

URL : <http://www.godrej.com/>



ACCESS CONTROL



CREDO

CREDO is the world's first multimedia biometric recognition system. Based on Fujitsu's PalmSecure, it guarantees a 99.99% recognition rate for living humans, can store more than 100,000 human vein pattern templates, and features a user-friendly 7-inch touchscreen interface.

Contact: ifyou@actiontech.co.kr,
actiontech@actiontech.co.kr



Gauss

Gauss is a standalone Time Attendance and Access Control device. Designed and manufactured by Gauss Computer Company Limited in Taiwan, it is built around a PalmSecure Sensor and features built-in Ethernet and communication software for Time Attendance.

Contact: <http://www.gausscom.com.tw/index.htm>



INTUS

INTUS is an Access Control system manufactured by PCS Systemtechnik of Germany. It features a flexible front-end (Siedle-compatible), and a PC-based INTUS Access Control Manager. It also features a glass dome and MagicEye display as a central indicator for clear and unmistakable optical status signaling to passing users.

Contact: <http://www.pcs.com/>



SIOS Insert

The SIOS Insert is a PAC solution designed to be integrated directly into a door, where the lock is usually located. It comes with a PalmSecure Sensor, an embedded board, flashcard memory, electromechanical lock, interface between board and lock, and management software.

Contact: info@siosconcepts.com



IDLink

IDLink is a palm vein reader for physical Access Control and Time/Attendance Control which can interface with an existing Access Control infrastructure, and can be managed from a web browser. Controller and reader are separate for greater security. The system can be integrated with third party controllers and access card readers.

Contact: sales@idlinksystems.com



ACCESS CONTROL



Jantek

Jantek is an Access Control system built around a PalmSecure sensor. Reader and controller are separated for enhanced security, and the system is weatherproof.

Contact: service@jantek.com.tw



Rimax

Rimax is an Access Control system based on PalmSecure designed for companies with up to 2,100 users (per terminal). It features 10 sensitive buttons.

Contact: <http://www.rimax.net/esp/index.asp>



PALMgarde

PALMgarde is an Access Control system based on PalmSecure from Time and Data Systems International Limited (TDSI). It is available in two versions – utilizing an on-board database for identification applications, or fitted with a MIFARE® contactless smart card reader for verification. The system comes with administration software for configuration and management of readers and users.

Contact: sales@tdsi.co.uk –or– tdsif@wanadoo.fr



Smart Card Combo Unit

The Smart Card Combo Unit, designed and manufactured by ComputerSky GmbH of Germany, is a small footprint desktop enclosure with integrated PalmSecure sensor and smart card reader/writer addressing Template on Card (TOC) and Match on Gard (MoC) applications. Offers flexible usage for multiple high-security desktop solutions.

Contact: <http://www.bio-guard.net/index.php/palm-vein-authentication/>



SENSOBOX®

The SensoBox® is an access control terminal based on the reading of the palm vein network. Contactless, fast and non invasive, this solution provides safety and convenience to users aiming to secure locations experiencing high inflow of visitors. Thanks to the SensoBrain Sensometrix is able to offer an access control system for a large number of users that identifies a person in less than 2 seconds without using a card or code.

Contact: info@sensometrix.ch or www.sensometrix.ch



ACCESS CONTROL



PV1000 & PV2000

PV1000 & PV2000 are high end, integrated Attendance/ Access Control Terminals with/without touch screen /Smartcard/RF interface and can be customized into Multi-Model access control/Time Attendance systems. These Terminals comes with SDK/API for development and are also integrated with BioAccess/TimeTrak software. These wall mounted devices can also be interfaced with existing access control infrastructure and can be managed remotely over LAN/WAN.

E-mail : sales@mantratec.com



Palmsure

Palmsure is a tamper - proof access control system made around Fujitsu PalmSecure offering highly reliable Time & Attendance and Access Control solution for organizations demanding high level security solutions. Palmsure can be integrated with existing access control infrastructure and can be managed over web.

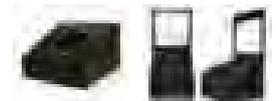
E-mail : sales@palmsure.com



Solus Palm Vein Readers

Solus Palm Vein Readers use highly reliable PalmSecure to offer Access Control Solution which can be seamlessly integrated with CCTV, Turnstile gates etc.

URL : <http://www.solus.co.in/>



World Security Exchange (WSX)

Hardware Versions I & II (HVI / HVII)

WSX-HVI is an exclusive and uniquely integrated equipment, providing ground support, to capture and auto load various data into the WSX Server from any location with or without internet connectivity / electricity supply, in any urban or rural area having any communication sphere. WSX-HVII is for standalone networked computer systems capturing data for management evaluation and techniques.

URL : <http://www.worldsecurityexchange.com/>



SmartVM

SmartVM is India's first eGovernance monitoring system based on Fujitsu's PalmSecure. It provides for survey, planning, and monitoring of various eGovernance schemes. The system comes with touchscreen and audio interfaces, Palm Secure device, in one integrated unit. Smartlinx also develops innovative SmartSchool-In-A-Box for attendance monitoring, delivery of education in remote rural areas, based on PalmSecure.

URL : <http://www.smartlinx.co.in/>



Crew Identification & automatic breath analyzer system fitted kiosk attached with CMS kiosk.

E-mail : palmsecure.india@ts.fujitsu.com



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North America (including Canada and Mexico)

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1255 East Arques Avenue, Sunnyvale, CA 94085, USA
URL : <http://us.fujitsu.com/palmsecure/>
E-mail : palmsecure_support@fcpa.fujitsu.com

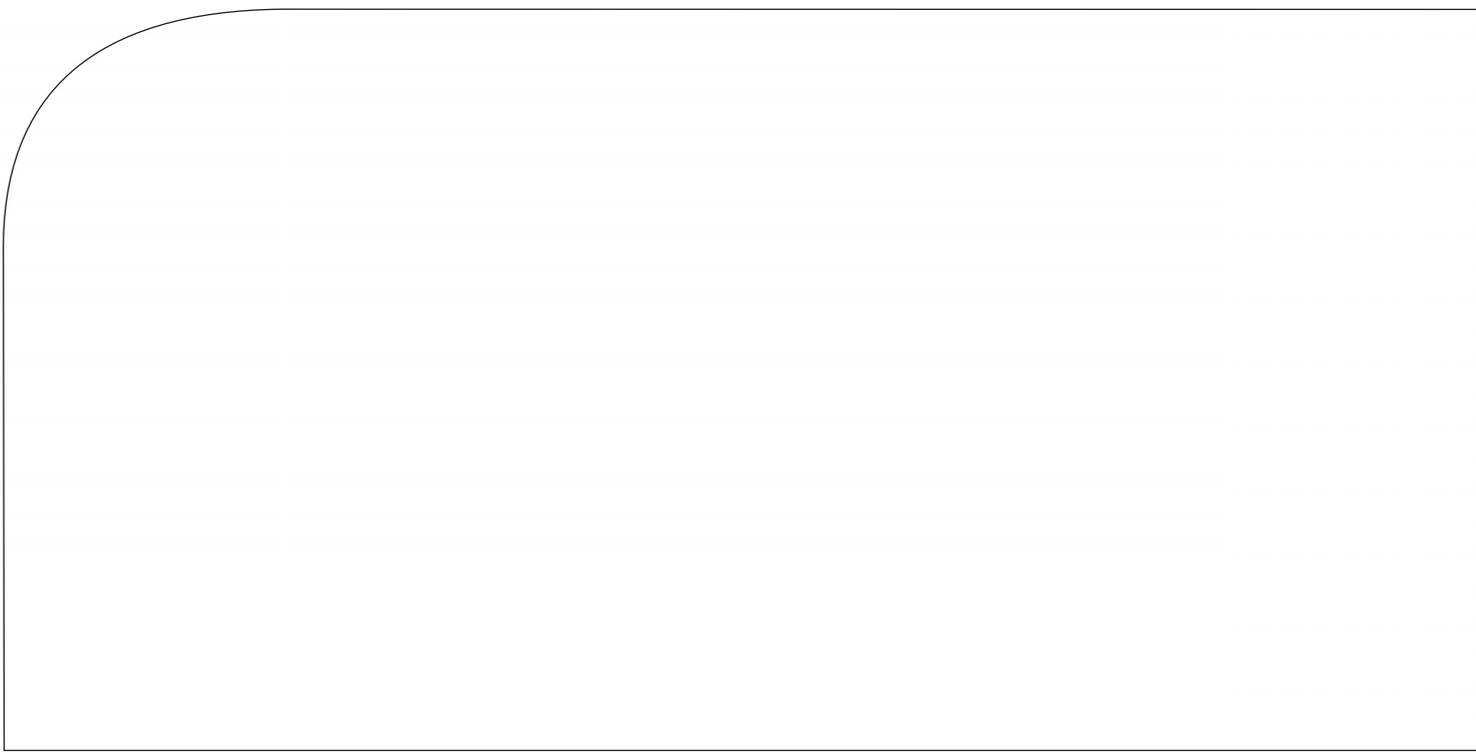
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