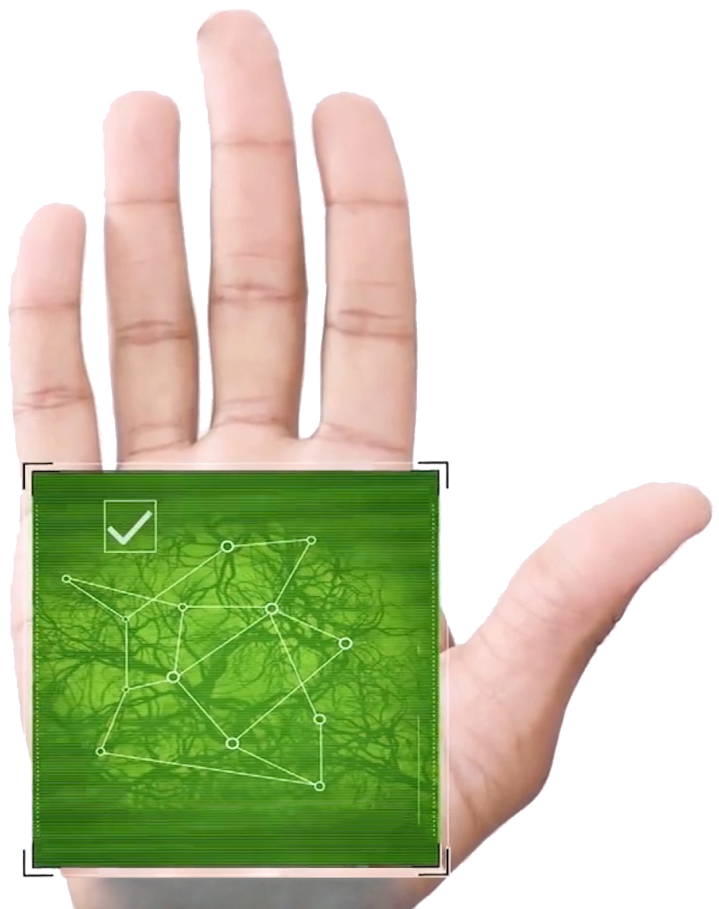




Fujitsu PalmSecure

Palm Vein Authentication Technology Driving Human Centric Innovation



What is Fujitsu PalmSecure?

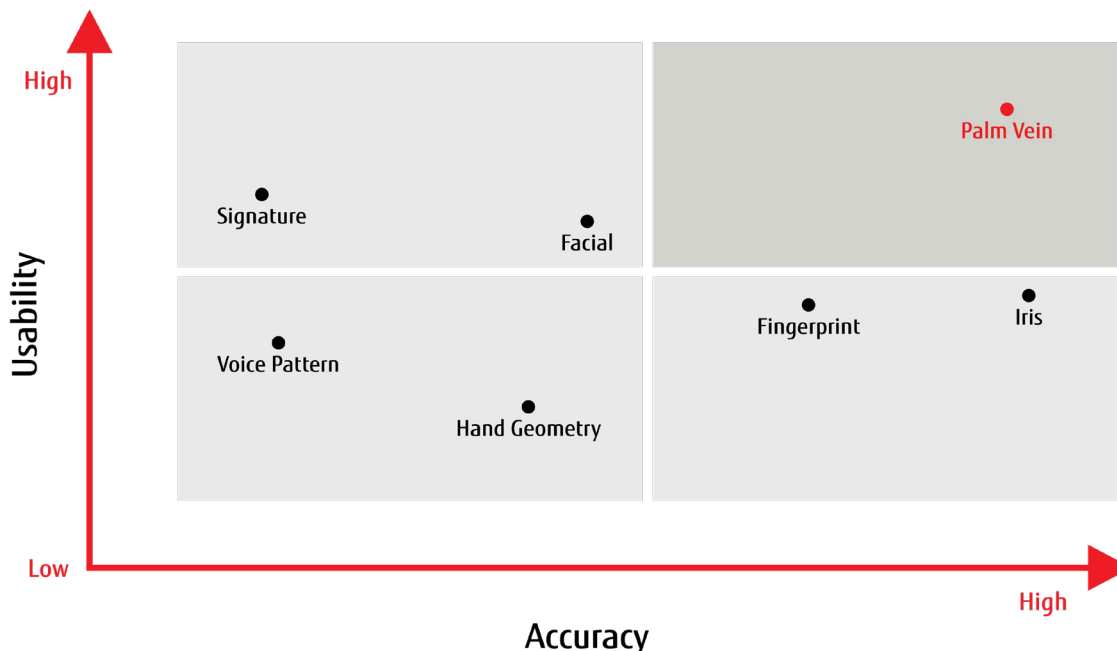
Fujitsu PalmSecure is a biometric authentication system based on vascular recognition technology. It uses the vein patterns that reside underneath the skin of an individual's palm to create a unique biometric signature and accurately verify a person's identity.



PalmSecure technology has been manufactured by Fujitsu for more than 12 years. It is currently being used to successfully identify millions of patients and staff at medical facilities, members at banks, students and faculty in education, and individuals in government, fitness, manufacturing, hospitality and more.

It works using Fujitsu's F-Pro Sensor. Individuals simply hold their palm two inches above the F-Pro sensor for secure authentication within seconds. PalmSecure authentication delivers contactless identity verification with extremely low false acceptance rates (0.00001%).

Fujitsu has introduced more than 33 versions of the SDK software that powers PalmSecure, continually enhancing both the authentication accuracy of palms and authentication speed. Currently, Fujitsu PalmSecure is the only palm vein authentication technology on the market.



Why choose PalmSecure?



Superior Security

Veins 'hidden' under the skin
 Encrypted templates stored (each sensor has a unique key and each partner has a unique encryption key)
 Forgery is virtually impossible



Superior Accuracy

Unlike other biometric modalities, palm is not affected by external factors (glasses, cuts, dry skin, etc.)
 No failure to enroll (FTE)
 False Acceptance Rate: .00001%



Superior Acceptance

Very hygienic, no-contact operation preferred by users
 Easy and intuitive to use
 Highest user acceptance because this biometric is 'hidden' inside the body

Secure

Palm vein authentication technology is the only internal biometric modality, making it virtually impossible to forge or spoof. Vascular recognition technology, which detects the blood flow under the skin, includes presentation attach detection and superior encryption for the most secure form of biometric authentication. Compared to finger vein authentication, palm vein technology has 10 times the data points for superior security.

Accurate

The technology is applicable to all users, regardless of age, ethnicity, and other demographical statistics. PalmSecure has significantly low false acceptance rates of 0.00001% and false read rates of 0.01%. External factors such as abrasions, hair, skin conditions, and water or lotions have little impact on the technology's ability to recognize an individual's identity.

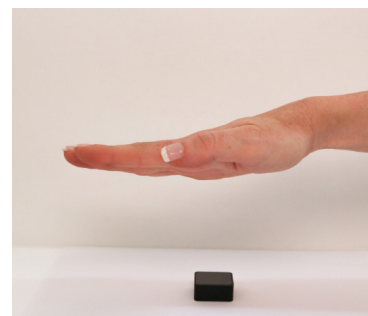
Hygienic

The operation of palm vein authentication technology is completely contactless and easy to use. Users simply hold their palm two inches above the sensor for fast identity verification. The hygienic operation makes PalmSecure technology ideal for all environments where health and safety of individual members, staff, patients, customers, and users is a concern.



About Fujitsu Limited

Fujitsu is the leading Japanese information and communication technology (ICT) company, offering a full range of technology products, solutions, and services. Approximately 132,000 Fujitsu people support customers in more than 100 countries. We use our experience and the power of ICT to shape the future of society with our customers. Fujitsu Limited (Code: 6702) reported consolidated revenues of 4.0 trillion yen (US \$36 billion) for the fiscal year ended March 31, 2019. For more information, please see www.fujitsu.com.



About Fujitsu Frontech North America Inc.

Fujitsu Frontech North America Inc. (FFNA) provides market-focused IT solutions that enable customers to achieve their business objectives through integrated offerings for self-checkout and currency management solutions, kiosks, mobile, RFID, and biometric authentication technology. FFNA delivers industry-specific solutions for the manufacturing, retail, healthcare, government, education, financial services, and enterprise and communications sectors throughout North America. FFNA is headquartered with operations and product development at 27121 Towne Centre Drive, Foothill Ranch, CA 92610.