SMUFS BIOMETRIC SOLUTION

Company Profile

Abstract

Smufs Biometric Solution Ltd. is a leading Israeli Biometric Hardware, Software and Solution provider

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Contents

The Company

SMUFS Biometric Solution (SBS) is an Israeli company specializing in biometric technology. The company develops biometric devices, products, and systems. SBS provides solutions for variety of verticals using a diversity of on-line and off-line operational scenarios with variety of self-made mobile biometric devices, partner's biometric devices and end-to-end biometric systems. SBS is a one stop shop for any biometric solution.

SBS line of devices presents a unique mobile biometric hardware and software solutions for integrators and end-users primarily in the mobile domain. SBS is a development partner of Digital Persona, the world's leading manufacturer of high sensitivity biometric capacitor sensors.

The commercial research, development and headquarters are in the Israeli Negev. Manufacturing is taking place in Thailand.

Leading Team

President & Founder – Mr. Oren Epstein

Mr. Epstein has been involved in the biometric industry since 2008. He has extensive experience as a Hi-Tech contractor and project manager and 20 years' experience as an entrepreneur in the electronics industry.

He was an active VP product in Exodus payment system, a US-based biometric company focusing on secure payment systems for the healthcare industry using biometric verification.

Mr. Epstein is an official Israeli representative an expert in the of the international biometric standard ISO committee. He also leads the standardization of biometrics in the Israeli Standard Institute.

CTO - Rishi Bhanot

A software engineer with 20 years of hands on experience in biometrics devices. Biometric Embedded Systems and Applications.

R&D - Yuval Hacohen

Yuval has over 20 years' experience in the Israeli Hi-Tech sector. He holds a B.Sc. in Electrical Engineering from the Technion University, and an MBA from the University of Derby.

He is a skilled full-stack software developer in desktop, cloud and mobile platforms.

Mr. Hacohen is a biometric expert in designing and developing a biometric solution in cloud and on-premise.

Products

Hardware

The company designs develop and manufacture hardware devices for the biometric market in the highest standard and with full certifications:

SMUFS products are operate able on all leading platforms:
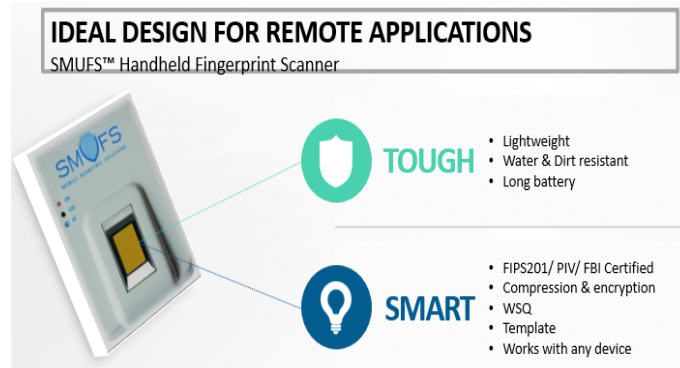

SMUFS-BT

A mobile biometric device SMUFS-BT™ (Secure Mobile Universal Fingerprint Scanner - Bluetooth) is a secured, mobile, compact, self-powered, standalone fingerprint scanner. It can be used in remote areas where access to computers/laptops and internet is limited.
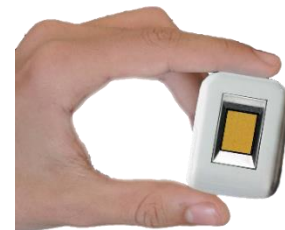
SMUFS Key features:

- Connects easily via Bluetooth, Wi-Fi or USB with any smartphone/tablet/PC.
- On board flash allows on board storage and matching computation capabilities.
- FIPS 201/PIV compliant fingerprint sensor suitable for most demanding 1: N authentication challenges.
- Raw-image/WSQ/template on device.
- SDK for Windows, Android, iOS, Linux.

IDEAL DESIGN FOR REMOTE APPLICATIONS
SMUFS™ Handheld Fingerprint Scanner

TOUGH
- Lightweight
- Water & Dirt resistant
- Long battery

SMART
- FIPS201/ PIV/ FBI Certified
- Compression & encryption
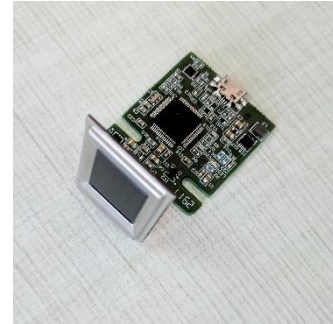- WSQ
- Template
- Works with any device

SMUFS NANO

Secure Mobile Universal Fingerprint Scanner, The smallest, certified identity

verification Mobile Biometrics system, including:

- FINGER PRINT SCANNER based on (TCS1) FBI certified PIV-201 FAP10.
- SBS APPLICATION compliance with iOS, Android, WIN, Linux.
- EMBEDDED BIOMETRIC ENGINE extractor/matcher.
- By Connecting to any mobile peripherals, the SMUFS NANO SYSTEM transforms your peripherals into a precise, sufficient, secured, FBI certified (TCS1) biometric identity verification station.

3

- Through the micro USB OTG interfaces, The NANO can be extensively used in remote areas with poor connectivity.
- SMUFS NANO offers an embedded bio-engine for extraction/matching in real-time, suitable for 1:1 /1:few verification, at off-grid operation in remote locations.
- SMUFS NANO is suitable for 1:N identification in the field ,through biometric server over GPRS. Handles tasks from standalone identity to large-scale AFIS requirements.
- The SMUFS NANO operates with near zero power consumption and full adaptation to its host power management, including iPhones & iPads.
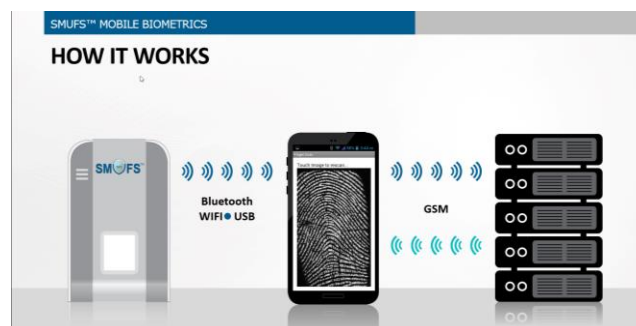
Software

SMUFS develops the following software for integrators and software developers:

- SMUFS-BT SDK kits for Windows, Android, iOS
- NANO SDK kits for Windows, Android, iOS
- Biometric Tools for professionals – WSQ Viewer, Quality Biometric Extractors and more
- Biometric Servers using leading biometric algorithms for matching, identification and enrollment of various modalities – Fingerprints, Face and Iris.

Solutions

SMUFS solutions are suited for various civil, government and commercial application areas, including: ID document identification, remote worker time/attendance, access control, governments and U.N. food and healthcare distribution, hospitals and health centers, border control/immigration, disaster scene management, financial and commercial institutions, forensics and many other emerging needs.

Tailor-Made

The development process included design, miniaturization, packaging and server development, using experts in the relevant fields. Unlike existing costly solutions, the company offers full biometric solutions that can stand alone or be integrated with the customer's existing systems. SUMFS offers high quality, easy to use and an easy to implement solutions, at competitive cost.

Partners

Our technology is being **integrated** with the largest biometric providers Companies:

We have R&D collaboration with USA company. By developing a designated SMUFS for the all markets with a card reader and an iris camera on FAP45 TFT technology.

As the largest biometric provider in the world is with SMUFS the OPTICAL version the smallest mobile scanner that can do identification an extraction on device.

Customers

Leading customers:

| Bank of Azteca Mexico | Israel Airport Authority | Population And Immigration Authority | IDF – Israel Defense Force |