BY ADDING THE HUMAN TOUCH, YOU MAKE THINGS GENIUS
CONGRATULATIONS!
YOU ARE NOW ABOUT TO MAKE THINGS GENIUS

The Fingerprints Biometric Module DevKit is a complete biometric solution that will help make your innovation the next big thing. The box is complete with all you need to develop and prototype your product’s biometric interface. It unlocks endless possibilities for you to use our world leading biometric technology to make any application genius.

BRANDED FEATURES

**ENROLL YOURSELF BY A QUICK TOUCH**
With only a few and quick touches you are enrolled and can start using the fingerprint sensor to unlock and verify yourself on your device.

**YOUR TOUCH FROM ANY ANGLE**
Allows the sensor to read and match your fingerprint from any angle with outstanding accuracy, precision and performance.

**ONE TOUCH AND YOU’RE ON**
With virtually no power consumption this feature can be at your service all the time letting you access and unlock devices with a simple touch.

**EVOLVING ALONG WITH YOU**
With every touch, our self-learning algorithm keeps learning more about you. Adapting to your changing finger conditions, e.g. cuts and seasonal changes.
THE ORIGINAL HUMAN INTERFACE IS READY FOR YOUR NEXT INNOVATION

We have taken one of our world leading sensors and bundled it with a standalone processor and a well proven algorithm. This biometric solution is prepared for any innovative application you could possibly imagine. You get superior image quality, extreme durability and industry leading performance – without any other components needed – and a head start in adding the human touch to your next innovation.

Just connect the development board to an USB port and start learning how biometrics can make your technology interact natively with your users. All the hardware is included and you get all the software you’ll need to join the evolution of human interfaces. And when your innovation has become genius, we’ll help you go into production and all the way to market.

As the world leading biometric technology company we have, over the years, built an extensive knowledge base for ongoing research and development. When you get the Fingerprint Biometric Module DevKit you also become a member of our growing developer community and you get all the support you need. We are here to make sure your road to making things genius is as smooth and fast as possible.
FINGERPRINTS BIOMETRIC MODULE DEVKIT

SENSOR MODULE
- Sensor type: Capacitive / 3D
- Proven matching algorithm
- Verification mode: One-to-One / One-to-Many
- FRR: 3%
- FAR: 1/50,000
- Sensor Pixel matrix: 192 x 192 pixels / 508 dpi
- Number of users: 50
- Template transfer: Upload / Download
- Security configuration: Convenience / Normal / High
- Wake-up support: FPC OneTouch® finger detect functionality
- Verification time: 0.4 seconds
- Interface: SPI (20 MHz) / UART (9600–115200 baud)
- Status indicators: 3 colors LED
- Dimensions (sensor): 11.4 x 12.2 x 0.7 mm
- Dimensions (PCB): 20 x 2.6 x 40 mm
- Operating temperature: -20 to +60 °C
- ESD protection: ±30kV / IEC61000-4-2 level X / air discharge
- Wear-and-tear: > 10 million cycles at 0.6N
- Scratch resistance: Pencil hardness: 4H
- Resistant to household liquids and substances
- Supply voltage: 1.8 Volt operation (VDD 1.8 - 3.3)
- Power consumption capture: < 42mA
- Power consumption sleep: 8uA

DEVELOPMENT BOARD
- Dimensions (board): 150 x 80 mm
- Interface: SPI / UART / USB
- Supply voltage: 5/3.3V
- Power supply: USB / 5V

HARDWARE INCLUDED
- Development Board with Fingerprints biometric module mounted
- One of the following fingerprint sensors:
  - FPC1020AM
  - FPC1011F3
- Ergonomic housing for sensor
- USB memory stick containing documentation and software
- Micro-USB cable

SOFTWARE INCLUDED
- Fingerprints SerialCom: Windows-demonstration software
- 64-bit driver
- 32-bit Driver

HARDWARE INCLUDED
- One of the following fingerprint sensors:
  - FPC1020AM standard
  - FPC1020AM IP67 (waterproof and dustproof)
  - FPC1011F3
- PCB with biometric processor and template storage

USB STICK

For more information please visit www.fingerprints.com