



Isorg will demo security features of full-screen multi-fingerprint sensor at MWC 2021, using simulated mobile banking app

Designed for smartphone user authentication, large-surface Fingerprint-on-Display (FoD) module, based on organic printed electronics, will enable users to make higher value mobile data transactions securely

Live demo of full-screen Fingerprint-on-Display (FOD) will take place at Mobile World Congress 2021 in Barcelona, Spain, June 28 to July 1, stand 1E51, booth 12, Hall 1, under French Tech Pavilion banner

Limoges, France, June 9, 2021 – Isorg, a pioneer in organic photodetectors (OPDs) and large-area image sensors, today announces it will demonstrate a full-screen multi-Fingerprint on Display (FoD) module, using a simulated banking app, during Mobile World Congress, June 28 to July 1, 2021. The demo will show smartphone users the effectiveness of using one- to four-fingerprint authentication to secure transactions of high monetary value, such as wire transfers or scan and pay purchases.

With the simulated mobile banking app, Isorg will take users through a series of one -to four-fingerprint authentication scenarios, showing differing levels of low- to high-security. The scan and pay demonstration using a simulated payment terminal will show how biometrics data replaces the PIN code in user identification and verification.

“Developing a new technology that can finally enable multi-finger authentication across the entire area of the smartphone screen takes tremendous resources and effort. The importance for us of showcasing our unique user authentication solutions, that the market has been anticipating for years, cannot be overstated,” said Jean-Yves Gomez, CEO at Isorg. “This simulated mobile banking app, as a good use case example, will reveal the dexterity of multi-finger authentication on a full-screen display, which addresses specific needs in combatting transaction fraud. Our solutions are ideal for any application where high-level security is required.”

Isorg will demonstrate the large-surface multi-fingerprint on display module in Hall 1, booth 12, on stand 1E51, as part of the French Tech Pavilion. It supports authentication across the entire dimensions of a 6-inch smartphone display (or even larger); the large dimensions of this fingerprint sensing surface area compares favorably with the much smaller currently available solutions – all less than 10mm x 10mm.

This module, a hardware solution whose organic photodiode technology for one-finger authentication recently received FBI certification, targets the following smartphone apps and wearables needing high-security authentication:

- Banking applications
- Personal health monitoring

- Medical file privacy
- Remote home control
- Password wallet
- Smart watch security
- Access control

The fingerprint sensor market, valued at approximately \$4.68 billion in 2018, is expected to grow at a CAGR of 14% during forecast period 2019-2025, according to [Industry Arc](#). The rising need for multi-factor authentication methods across consumer electronics, banking and financial sectors is cited as a market driver.

Isorg develops large-area image sensors and biometrics solutions based on organic photodiodes that are printed on a TFT (Thin Film Transistor) backplane. This is a transformational technology that can convert a substrate, such as plastic, glass or CMOS, into an optical sensing surface. This lightweight fingerprint module offers advantages in thinness, achieving the mandatory 300µm requirement from OEM integration and scalability from larger surface areas to full mobile display.

About Isorg

Isorg is a pioneer in organic and printed electronics for large area photo-detectors and image sensors. It offers a new generation of high-performance imagers with the capability for easy integration into systems with various shapes or form factors. Its flexible image sensors have application in medical devices, ID security and access control, IoT and consumer electronics. In 2016, it launched the first worldwide proof of concept of a large-sized high-resolution (500 dpi) flexible plastic fingerprint sensor for biometric security and other applications. Created in 2010 and partnering with CEA-Liten, a leading French innovation center for new energy technologies and nanomaterials, Isorg achieved a Series B fundraising round amounting to €8M (\$8.9M) in 2014, followed by a €24M (\$26.6M) fundraising round in 2018.

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