

News release

IFA Berlin 2024: trinamiX showcases secure Face Authentication for premium foldable screens jointly with TCL CSOT

- First Face Authentication solution behind foldable screens of smartphones
- Strong partnership with TCL CSOT
- First demonstration in Europe from September 6 to 10, 2024 at IFA Berlin

Ludwigshafen, Germany, September 2, 2024 – **trinamiX GmbH, a leading biometric solutions provider, will present its secure Face Authentication for invisible integration into premium foldable smartphone screens in collaboration with TCL CSOT at IFA Berlin 2024 (TCL Booth H21-101). The solution is suitable for LTPO OLED displays and offers enhanced security and convenience while maintaining display quality.**

Foldable smartphones are on the rise as well as convenient and secure authentication methods. Thus, smartphone OEMs around the world are requesting secure Face Authentication behind premium foldable screens such as LTPO OLEDs. The “7.85’ Under Screen Face Authentication Display” developed jointly with TCL CSOT incorporates trinamiX’s patented Face Authentication technology behind OLED, which differentiates between human skin and other materials for reliable liveness checks. The invisible integration technology behind display, which is developed by TCL CSOT, eliminates the need for punch holes or notches, enabling users to fully utilize the expansive screens of foldable phones and creating an engrossing visual experience.

"After showcasing our Face Authentication solution for foldable phones at Display Week in San Jose we have received a lot of positive feedback and interest from leading smartphone OEMs. We are excited to bring it to the European audience at IFA Berlin," says Wilfried Hermes, Director Consumer Electronics EMEA & NA, trinamiX GmbH. Visitors are invited to experience the performance and functionality firsthand through a live demo at the TCL booth.

Patented Face Authentication with trinamiX liveness detection

trinamiX Face Authentication combines regular 2D face detection and recognition with a unique liveness check based on skin detection. The touchless solution offers enhanced security and convenience, meeting the biometric security requirements set by organizations such as the International Internet Finance Authentication Alliance (IIFAA), the FIDO Alliance, and Android (Google). It has been approved for Android integration and high-security applications, including digital payment processes. The implementation of trinamiX Face Authentication behind OLED, without compromising device slimness, sets a new standard for secure and impressive smartphone experiences.

trinamiX at the IFA Berlin

The LTPO OLED foldable screen with integrated secure Face Authentication is showcased at the TCL booth (H21-101). Jakob Arndt, Product Manager at trinamiX GmbH, will be available on-site to provide further details.

trinamiX @ IFA 2024

6 to 10 September 2024

TCL Booth H21-101

Location:

Messe Berlin
Messedamm 22
14055 Berlin, Germany

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About trinamiX

trinamiX GmbH develops cutting-edge biometric and mobile NIR spectroscopy solutions, which are used in both consumer electronics and industrial designs. The company's products enable humans and machines to better capture data with the goal of understanding the world around us. This results in improved decision making as well as stronger biometric security. trinamiX, based in Ludwigshafen (Germany), was founded in 2015 as a wholly owned subsidiary of BASF SE. The company employs over 240 people worldwide and holds more than 650 patents and patent applications.

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