

News Release

Invisible behind OLED: trinamiX Face Authentication in smartphone reference design at MWC Barcelona

- trinamiX Face Authentication in smartphone reference design premieres at Mobile World Congress, hall 5, booth 5J84
- Presentation of smartphone and automotive solutions developed in collaboration with STMicroelectronics and Continental
- Additional highlight: First demo of new smartphone sensor for fitness and health measurements in real time

Ludwigshafen (Germany), February 9, 2023 – [trinamiX GmbH](#), a leader in biometric solutions, is taking their face authentication running on a smartphone reference design to Barcelona. The company's booth at Mobile World Congress (MWC) invites customers to a first-hand experience of the high security level of trinamiX Face Authentication and its invisible integration behind the smartphone's OLED display. The trade show will be open to visitors from February 27 to March 2, 2023.

trinamiX Face Authentication is finally erasing the need for a punch hole or notch in the display, which is typically needed to integrate face authentication into smartphones. Thanks to trinamiX's solution, future smartphones will be able to combine the convenience of touchless, biometric user authentication with an unlimited, full-screen viewing experience.

Secure authentication – on your mobile devices and inside your car

During MWC Barcelona, visitors will be able to get their hands on trinamiX Face Authentication running on a smartphone reference design. At booth 5J84 in hall 5, trinamiX will expose their solution to live spoof attempts with realistic, three-dimensional masks, proving that it reliably protects smartphone users against unauthorized access and fraud by means of a novel liveness detection based on skin. To complement these demonstrations, trinamiX is further presenting a reference design in collaboration with STMicroelectronics, a global semiconductor leader, to allow for the particularly easy integration of trinamiX Face Authentication into various consumer electronics.

trinamiX has been collaborating with tech company Continental to apply their face authentication solution to an innovative use case in the automotive industry. At MWC, trinamiX is now presenting the result of their joint efforts: The Driver Identification Display. The invisible integration of trinamiX's solution into Continental's in-cabin driver display allows for the touchless authentication of the driver – for a secure operation of integrated digital payment apps and more. Everyone stopping by at the booth is invited to figuratively hop into the driver's seat and test the authentication features themselves.

Reading your body – personal health and fitness insights

trinamiX is presenting an additional innovation to the consumer electronics market: A sensor for seamless integration into commercially available smartphones and smartwatches, which allows to perform individual measurements on skin, e.g., related to the personal health and fitness condition. By means of near-infrared spectroscopy and in combination with an intuitive app, smartphone users will receive tailor-made recommendations in real time. For the first time, trinamiX has mounted their functional prototype of this miniaturized spectrometer inside a demonstrator that operates on a smartphone-like system environment. Thanks to this progress in further developing trinamiX

Consumer Spectroscopy, visitors of MWC 2023 will be among the first to experience the solution in action and literally first-hand.

More information: <https://trinamixsensing.com/mwc-2023>

trinamiX @ MWC 2023

February 27 to March 2, 2023

Booth #5J84 in hall 5

Learn more about our collaboration
with **STMicroelectronics**
at booth **#7A61** in hall 7

Location:

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About trinamiX GmbH

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 220 people worldwide and holds more than 370 patents and patent applications.

To learn more, visit <https://www.trinamiXsensing.com>.