



MARKET NEWS

SECORA™ Pay Bio enhances convenience and trust of biometric contactless payment

Munich, Germany – 17 September 2024 – As the payment world moves towards digitalization, the need to protect digital identities and transactions has never been more important. In addition to standard contactless payment cards, biometric payment cards are a promising development in this area and are gaining in popularity. Against this backdrop, Infineon Technologies AG (FSE: IFX / OTCQX: IFNNY) today announced SECORA™ Pay Bio, an all-in-one biometric payment card solution that complies with Visa and Mastercard specifications. It integrates Infineon's enhanced SLC39B system-on-chip (SoC) Secure Element and the FPC1323 sensor by Fingerprint Cards AB (Fingerprints™) into the Infineon Biometric Coil on Module (BCoM) package, leveraging the key advantages of inductive coupling technology. The solution uses the fingerprint credentials securely stored on the card as a second authentication factor, enabling a convenient and trusted contactless payment experience.

“With this all-in-one solution for biometric payment cards, we are pushing the boundaries of payment cards further,” said Tolgahan Yildiz, Head of the Trusted Mobile Connectivity and Transactions Product Line at Infineon. “SECORA Pay Bio enables easy-to-implement and scalable production of robust and reliable biometric payment cards with high throughput and a smooth consumer experience.”

In an optimistic scenario, ABI Research¹ expects the market for biometric cards to grow to 113.3 million units by 2028. This market trend is driven by further optimization of the price-performance ratio, including the producibility and cost of biometric payment cards, as well as by consumer demand for more convenient and secured biometric authentication in personal payment transactions. Furthermore, biometric payment cards could offer an additional barrier against lost-and-stolen fraud and PIN phishing fraud.

Biometric payment solution with excellent contactless performance

SECORA Pay Bio extends Infineon's SECORA Pay solution family. The solution integrates Fingerprints' sensor and Infineon's SLC39B SoC Secure Element into a single dual-interface package, the innovative Infineon Biometric Coil on Module (BCoM). The SLC39B Secure Element with an integrated power source offers large memory size and various

¹ Source: ABI Research – [Next-Generation Payment Card Technologies - Biometric and DCVV](#), (03 Oct 2023)

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peripherals, as well as excellent contactless performance. Based on innovative inductive coupling technology without wire connection from the BCoM module to the card antenna, manufacturing complexity can be drastically reduced, and the card robustness and long-term reliability can be significantly improved. In addition, the biometric sensor card production can now be implemented on existing dual interface card manufacturing equipment with only minor operational changes. As the SECORA Pay Bio solution complies with both Mastercard and Visa specifications, the use of BCoM technology would not require additional performance testing, enabling a flexible and rapid rollout with outstanding performance and a frictionless onboarding process.

Two new innovative enrollment options are supported

SECORA Pay Bio supports a wide range of enrollment options, including sleeves, smartphone apps and in-field enrollment. The innovative SECORA Pay Bio enrollment sheet makes fingerprint enrolling via smartphone easier than ever before. In addition, SECORA Pay Bio is the first biometric payment solution to support in-field enrollment. This allows cardholders to use biometric payment cards without any additional effort or devices. Moreover, with these new biometric cards, the fingerprint template is trained with each payment transaction, improving the user experience even further.

Availability

The SECORA Pay Bio solution supports the latest payment applications according to EMV specifications. The pilot proven product is available with full design-in package and ready for mass-production. More information is available at www.infineon.com/secorapaybio

About Infineon

Infineon Technologies AG is a global semiconductor leader in power systems and IoT. Infineon drives decarbonization and digitalization with its products and solutions. The company has around 58,600 employees worldwide and generated revenue of about €16.3 billion in the 2023 fiscal year (ending 30 September). Infineon is listed on the Frankfurt Stock Exchange (ticker symbol: IFX) and in the USA on the OTCQX International over-the-counter market (ticker symbol: IFNNY).

Further information is available at www.infineon.com

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