SOLUTION BRIEF

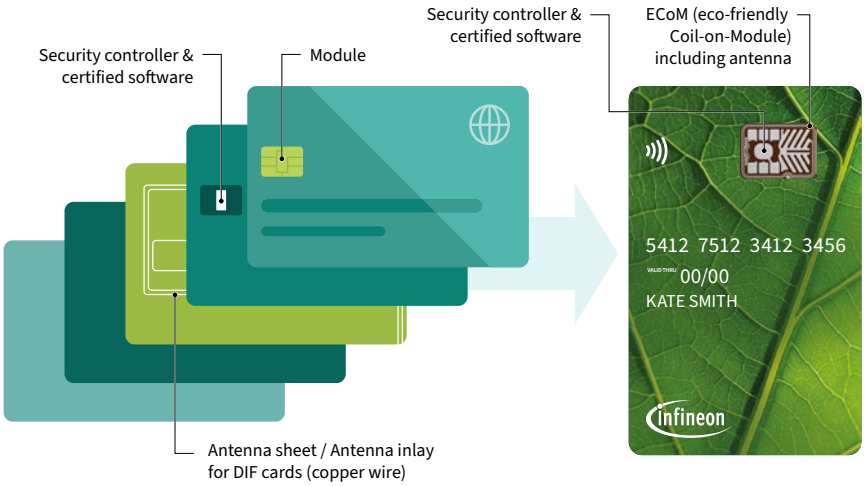
SECORA™ Pay Green

Innovation driving the eco-friendly evolution of payment cards

SECORA™ Pay Green is a game-changer for payment card sustainability. With this solution, a small module holds the security controller and all software components, along with an eco-friendly Coil on Module (ECoM) package that does not require the traditional copper wire antenna embedded in payment cards.

This innovative design leads to more than 60% reduction in the CO_2 emissions associated with the sourcing and logistics of the raw materials (for security chip and module) for card production compared to the Infineon standard SECORA™ Pay offering, as reported by Climate Partner.

SECORA™ Pay Green stands out as the industry's first payment solution, allowing more sustainable payment card bodies that can be made from one material only, including locally sourced, biodegradable alternatives to plastics.



Learn more about SECORA Pay Green in the blog article on our Infineon community
https://community.infineon.com

Key features

Green payment cards
- Reduction of more than 60% CO_2 emission for the electrical components in payment cards (module and antenna)
- Integrates the contactless antenna in the module
- Allows recyclable materials and outstanding card designs
- Enables innovative designs based on new materials (ceramic, metal, paper, etc.)

One-stop shop for fastest time-to-market
- Pre-certified for VISA and Mastercard for a fast launch
- 2 cm wearables performance
- The eCoM module interacts seamlessly with mobile phone antennas
- The eCoM enhances the user experience of tap-to-mobile use cases

SECORA™ Pay Green paves the way for a greener future in the payment industry

Key benefits

Simplified, sustainable sourcing and logistics
- Improved CO_2 footprint already with the standard CoM, compared with direct connect module solutions
- Major additional footprint advantage with SECORA™ Pay Green, for more than 60% CO_2 emissions reduction (compared with the Infineon SECORA™ Pay CoM offering)

Fully recyclable payment card bodies
- The eco-friendly Coil on Module (ECoM) integrates the contactless antenna
- No need to embed a separate copper wire antenna

Innovation from the SECORA™ Pay family
- Complete new design concept for dual-interface cards has clear sustainability advantages

Innovation from the SECORA™ Pay family

As part of our innovative SECORA™ Pay family, SECORA™ Pay Green revolutionizes the whole concept of dual-interface payment cards at the card design level for more sustainability.

SECORA™ Pay Green is a plug-and-play solution for global and domestic payment networks. It offers high-performance dual-interface capabilities and is backed by Infineon's reputation as an innovation partner with in-depth knowledge.

	SECORA™ Pay Green SE Standard payment cards	**SECORA™ Pay Green XE** Multi-application cards
		
Key differences	Ready to go	EMVCo platform
Product description	Ready-to-use, optimized chip solution portfolio for standard payment cards with global networks such as Visa and Mastercard[1].	– Flexible platform to address multi-application use cases for EMV payment cards in combination with NFC tags. – Platform enabling applets from global and domestic networks to be combined with Infineon's ready-to-use reference solutions for Visa and Mastercard[1].
Operating system	JavaCard 3.1, GlobalPlatform 2.3.1	Java Card 3.1, GlobalPlatform 2.3.1
Interfaces	ISO 7816, ISO 14443	ISO 7816, ISO 14443
Cryptography	RSA, AES	RSA, AES
Salescode	SLJ26PDA032SA / B	SLJ26PDA080SA / B
Delivery form	ECM16/P	ECM16/P
Applet Configuration[2]	MCA V1.2.3 A: VSDC 2.9.2 B: VSDC 2.8.1 G1	MCA V1.2.3 A: VSDC 2.9.2 B: VSDC 2.8.1 G1 NFCT4T
Typical applications	Standard payment cards	Multi-application payment cards

1 With this solution, a small module holds the security controller and all software components, along with an eco-friendly Coil on Module (ECoM) package that does not require the traditional copper wire antenna embedded in payment cards.
2 Other applet configurations and payment networks on request

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