

NFC & NFC tag technology for multi-application

- 1 The rise of contactless
- 2 The rise of new form factors & biometrics
- 3 Greener card products based on contactless
- 4 Value-added services with NFC tags
- 5 Convergence of Payments, Transit & eID

The rise of contactless payment is a worldwide evolution pushed by the pandemic



40%
increase in
contactless transactions



globally in Q1 2020

80%
of contactless transactions in
Q1 2020 were under 25 USD,
a range previously dominated
by cash

74%
of respondents said they would
continue using contactless payments
post-pandemic

Source: Mastercard

We propose to use well-proven interfaces to connect cards & devices securely and reliably today and in future



Easy Network Access
and Data Sharing



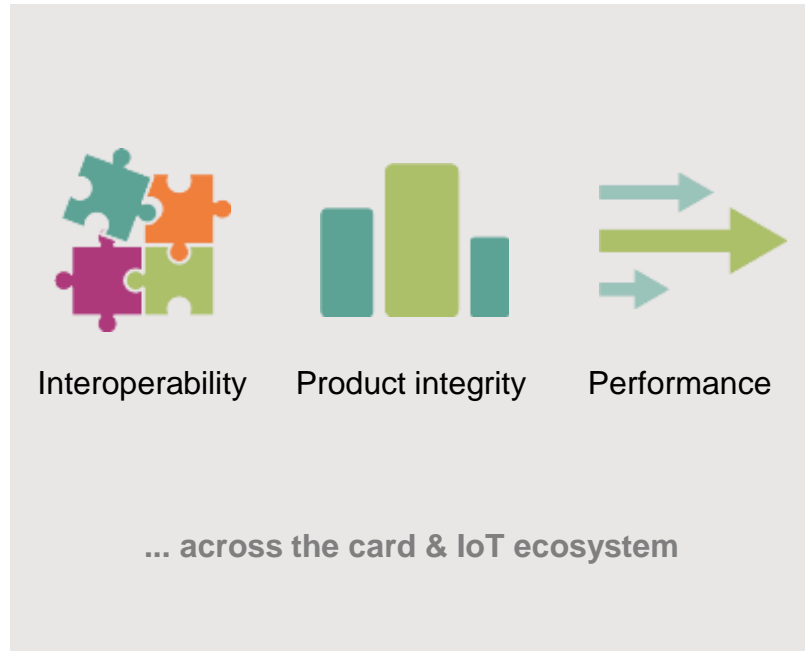
User Control with Deliberate
Expression of Intent



Ability to Connect
the Unconnected

Standardization and certification programs are required for payments and eID

Industry standards as a foundation for solution approvals



Approval & certification program and their effects



Contactless trends to be implemented on SECORA™ Pay & SECORA™ ID



Unlimited possibilities – including unique form factors



Best-in-class contactless performance enables the integration of payment functions in a wide variety of items - followed by ID



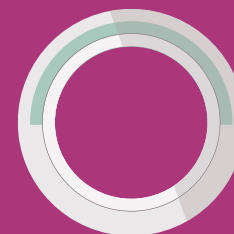
Winwatch

sapphire glass with
contactless payment
chip inside



Tokens

payment functions for
objects such as key fobs



Metal rings

contactless payment on
your finger

Payment and transport combined with SECORA™ Pay on new form factors



- › Secure Element
- › Contactless technology
- › Applications of payment schemes and PTOs



SECORA™ Pay W
The turnkey solution that enables fast and efficient payment

Biometric fingerprint is the next level of two-factor authentication



PIN number
authentication



Fingerprint
authentication

The most
convenient way
to be PSD2
compliant and
increase security

Non-plastic material on the rise for a greener world



PETG

Earthwise™ High Content Card



- › Produced using rPETG – post-industrial upcycled plastic
- › Mostly non-plastic components, including the EMV chip, antenna and adhesives

WOOD

Flowe Bank's Wooden Card



- › Made of recycled wood
- › Alternatively, customers can set up a payment account with a virtual card as well

HDPE

CPI Second Wave™ Card



- › Made from upcycled plastic waste that has been diverted from entering the world's oceans, waterways and shorelines
- › 98% recycled plastic

Enable value-added services with NFC tags already included in the card solution



Convergence of Payment, Transit and eID



Payment



Transit
and Ticketing



eID &
Driver's License



- › Secure Element (approvals)
- › Contactless & **mobile** technology
- › Applications of payment schemes, national authorities and PTOs
- › Social inclusion
- › Social grants



Set trends with Infineon's technology and development expertise – your one-stop partner for innovative solutions including NFC technology





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