



## Solution brief

# SECORA™ Connect

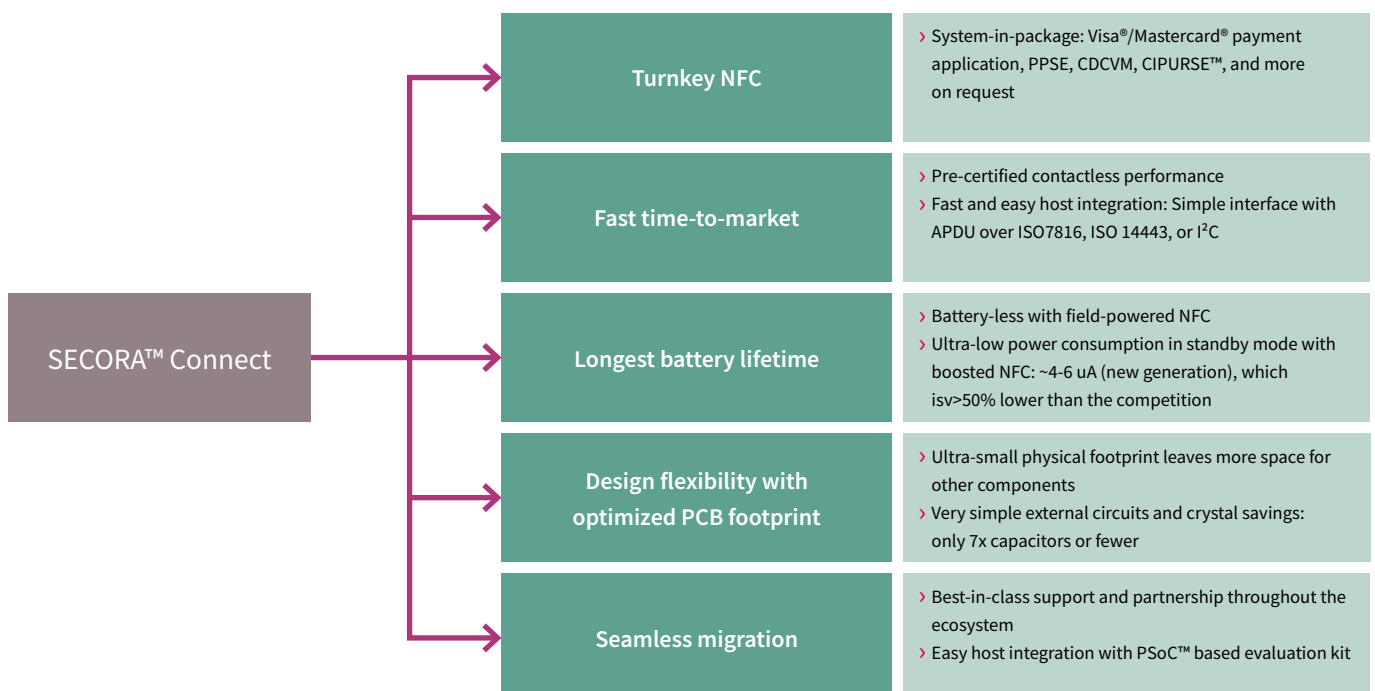
Empowering smart wearables and IoT devices with payments and beyond

Contactless payments are moving beyond the conventional card and smartphone formats to meet rising consumer demand for ever-cooler form factors in slimline, unobtrusive designs. And the trend is gathering momentum as more and more consumers realize that paying for goods and services with a simple flick of the wrist is infinitely faster and easier than handing over cash or tapping in a PIN.

At the same time, OEMs are increasingly combining payment functionality with other contactless, security-relevant applications such as ticketing and access. This presents OEMs with new security and performance challenges as they strive to meet the standards mandated by EMVCo and comply with payment network certification requirements, for instance. Rising device integration, power efficiency and actual service enablement present additional pressure points.





Infineon addresses these challenges with a dedicated product family of turnkey security solutions for smart devices. SECORA™ Connect includes all relevant components (Secure Element, operating system with payment, transport ticketing, and access applications, turnkey packaging) plus complementary enablement services delivered by Infineon or its ecosystem partners.

SECORA™ Connect provides OEMs with the following benefits:



# SECORA™ Connect

Empowering wearables with EMV payment functionality based on solutions designed for lowest power and cost optimization.

SECORA™ Connect		
Empowering smart wearables and IoT devices with payments and beyond		
SECORA™ Connect S		SECORA™ Connect X
Passive devices		Active devices
		
 <b>Single token</b>		 <b>Multi-token</b>
Key differences	Ultra-small, cost-optimized, and field-powered NFC payments	Ultra-low-power boosted NFC, and connected payments in a digitalized world
Product description	<ul style="list-style-type: none"> <li>› Single instance payment device / single token</li> <li>› Field-powered NFC for battery-less operations</li> </ul>	<ul style="list-style-type: none"> <li>› Multi-token</li> <li>› Secure remote payments</li> <li>› Boosted NFC payments</li> <li>› Advanced secure remote management capabilities</li> <li>› Authentication on consumer device</li> </ul>
Operating system	› Java Card™ 3.0.5, Global Platform 2.3.1	› Java Card™ 3.0.4, GlobalPlatform 2.2.1
Interfaces	› GP T=1' over I <sup>2</sup> C, ISO 14443	<ul style="list-style-type: none"> <li>› ISO/IEC 7816, T=0 and T=1</li> <li>› I<sup>2</sup>C, T=1</li> <li>› ISO/IEC 14443 Type A, B</li> <li>› SPI: For host to boosted NFC front-end configuration</li> </ul>
Cryptography	› RSA, 3DES, SHA, AES	› DES, AES, RSA, SHA, ECC
Typical applications	<ul style="list-style-type: none"> <li>› Payment wristbands</li> <li>› NFC payment rings</li> <li>› Ultra-small payment objects</li> </ul>	<ul style="list-style-type: none"> <li>› NFC security use cases such as payment, transit, and access</li> <li>› Smart Wearables: Smart rings, wristbands, and watches</li> <li>› IoT payment devices</li> </ul>



[www.infineon.com](http://www.infineon.com)

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