

NXP propels NFC technology into 4G age

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Today at Mobile World Congress NXP Semiconductors announced its newest flagship NFC solution, the PN547. Following on from the overwhelming success of the PN544, by far the industry's most widely adopted Mobile Transactions solution, the next generation PN547 incorporates NXP's proven leadership and expertise through over 130 projects across a variety of handsets, operating systems and with both SWP-SIM secure elements and Embedded secure elements. Its cutting-edge performance provides smart phone and tablet OEMs with a springboard to create breakthrough Mobile Transactions user experiences.

The PN547 outperforms any NFC radio controller in performance and offers doubled RF range, a 50% smaller footprint, a 5x improvement in wireless data throughput and a 50% lower power consumption than the current market benchmark PN544. It delivers perfect interoperability worldwide working with any contactless reader and NFC tag, supporting new, revolutionary user experiences in the devices of the future. NXP's next generation Mobile Transactions solution delivers these improvements with robust multi-application support including full MIFARE family compatibility (Classic 1K, Classic 4K, DESFire, Plus) and native reader device mode functionality for expanded NFC use cases such as secure, mobile contactless POS applications and mobile ticketing.

As part of NXP's strategy to enable openness and choice, the PN547 will be available with multiple interfaces to secure elements, offering flexibility to MNO technology preference and OEMs around secure

element form factor (μ SD, UICC, eSE). Its benefits are available to all MNOs and OEM customers that market advanced mobile devices designed for the 4G era.

The benefits stem from NXP's unique NFC experience and from its clear leadership position across the identification market overall. As the co-inventor of NFC in 2002, NXP enjoys a head start of several years with unmatched NFC knowledge and IP, delivering market leading Mobile Transactions performance to Google, Microsoft, almost all major OEMs and leading mobile network operators. Furthermore, NXP's core security and contactless expertise within its NFC portfolio incorporate its understanding of advanced applications and complete end-to-end solutions derived from its identification business. NXP is the leader in converging traditional contactless and security applications into exciting mobile transactions applications.

“We are at an exciting inflection point for smart phones and the NFC market in particular with an attach rate of 47% in 2015”, said John Devlin, Group Director, Security and ID for ABI Research. “As more sophisticated NFC applications are deployed, mobile users expect exceptional user experiences delivering trusted reliability and interoperability across secure identification, payment, ticketing, access and proximity marketing use cases. By continuously advancing the state of the technology, NXP is responding to end user needs.”

Provided by NXP

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