PN7220: High-Performance, One-Chip NFC Controller for EMVCo 3.2 and NFC Forum Operation

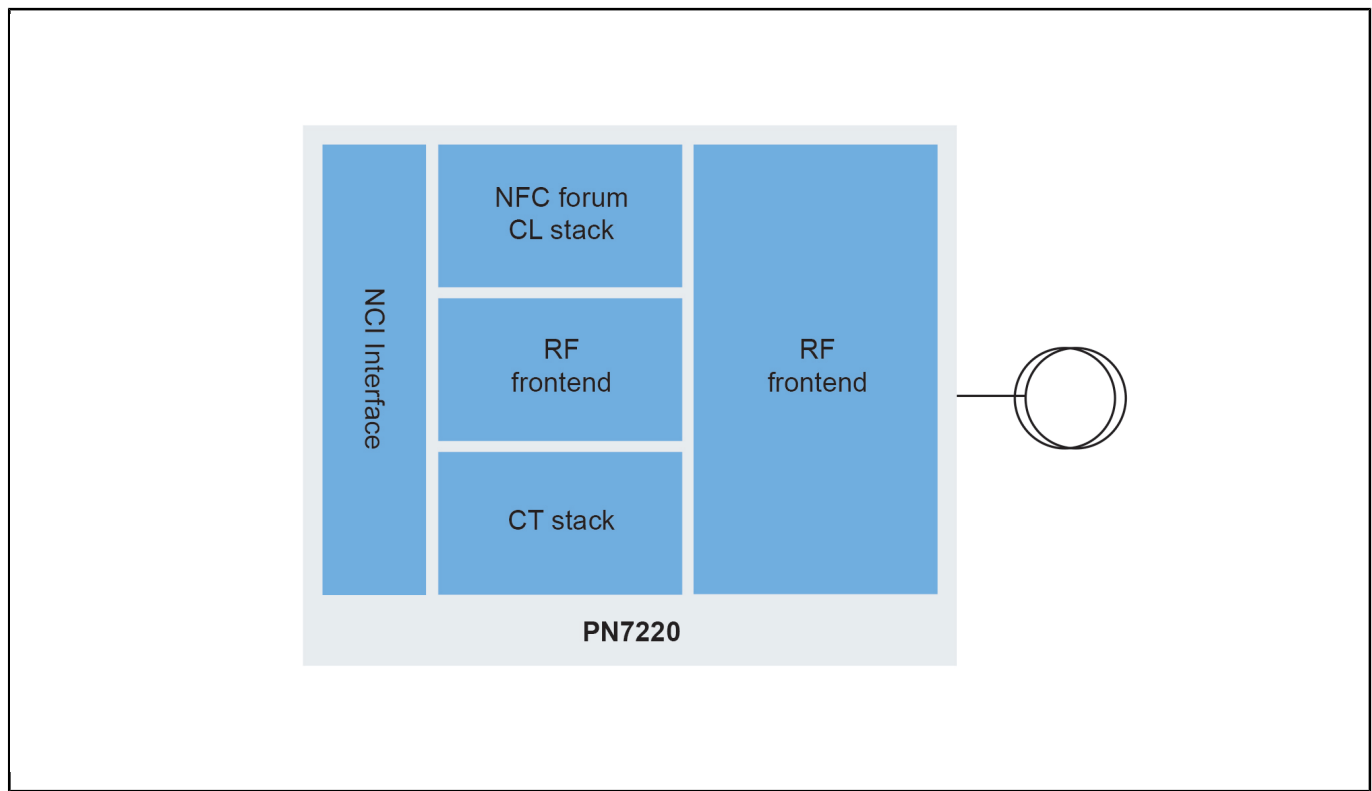## PN7220

Last Updated: Dec 23, 2025

Aiming to increase the reach of card and mobile payment, Europay, Mastercard and Visa (EMV) point of sale (POS) terminals are getting more lightweight, replacing hardware security with software and back-end security. Off-the-shelf mobile devices, like your smart phone, can become an acceptance point for payment cards, a so-called SoftPOS.

This highly integrated NFC controller, optimized for designs that combine payments with other services, delivers exceptional performance while simplifying design-in, reducing footprint, and enabling easy migration from current NFC readers, including the PN5190.
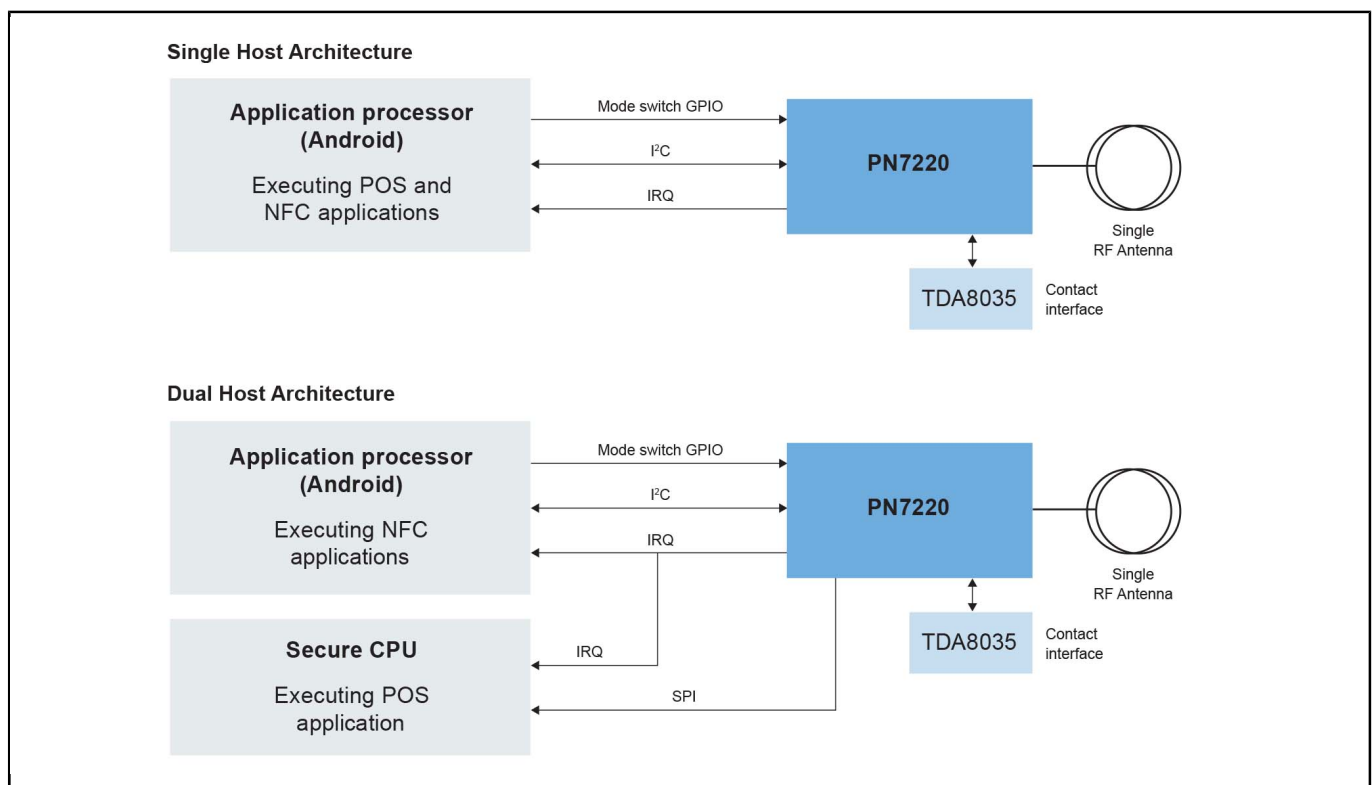
The NCI interface offers seamless integration into Android 13 or Android 14, and the powerful transmitter combined with a sensitive receiver allow to achieve EMVCo 3.2 analog and digital L1 compliancy even under challenging conditions.

The PN7221 version adds support for Apple ECP.

PN7220 Block Diagram

PN7220 Supported Architectures Block Diagram

View additional information for

Note: The information on this document is subject to change without notice.

---

www.nxp.com