
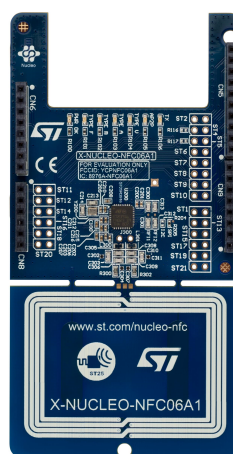
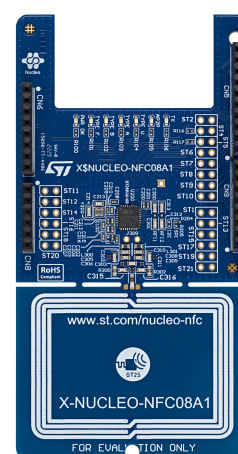


Linux® driver for ST25R3916/ST25R3916B

 <h1>Linux</h1>							
RFAL	Protocols	ISO DEP			NFC DEP		
	Technologies	NFC-A	NFC-B	NFC-F	NFC-V	T1T	ST25TB
RF HAL		RF					
		RF configurations					
		ST25R3916 / ST25R3916B					



For ST25R3916



For ST25R3916B

DT51728

Product status link

[STSW-ST25R013](https://www.st.com/stsw-st25r013)

Features

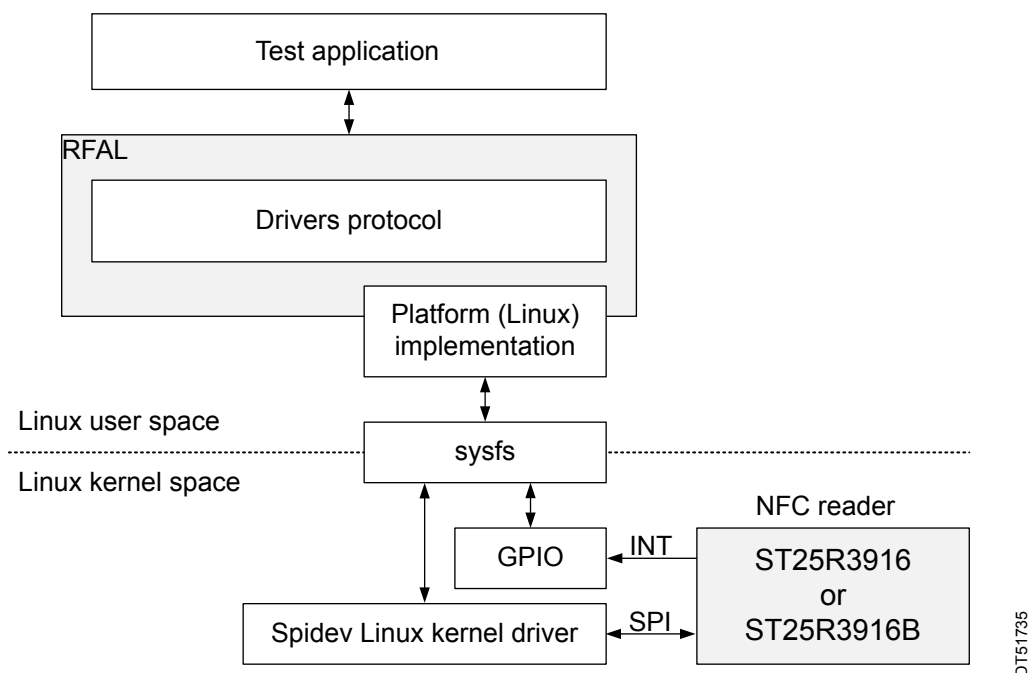
- Complete Linux® user space driver (RF abstraction library) to build NFC enabled applications using the ST25R3916 and ST25R3916B, high performance NFC universal devices / EMVCo readers
- Linux host communication with the readers through SPI
- Complete RF/NFC abstraction (RFAL) for all major technologies and higher layer protocols:
 - NFC-A (ISO14443-A)
 - NFC-B (ISO14443-B)
 - NFC-F (FeliCa™)
 - NFC-V (ISO15693)
 - P2P (ISO18092)
 - ISO-DEP (ISO data exchange protocol, ISO14443-4)
 - NFC-DEP (NFC data exchange protocol, ISO18092)
 - Proprietary technologies (Kovio, B', iClass, Calypso®, ...)
- Sample implementation available on the X-NUCLEO-NFC06A1 or X-NUCLEO-NFC8A1 expansion boards, plugged into a Raspberry Pi® 4
- Sample application to detect several NFC tag types and mobile phones supporting P2P
- Free, user-friendly license terms

Description

STSW-ST25R013 provides a complete software solution to enable fast integration of NFC functionality into Linux based systems using the ST25R3916/ST25R3916B high performance NFC universal devices / EMVCo readers.

This package provides a pure user space port of the RFAL (RF abstraction layer) onto the Raspberry Pi 4 Linux platform operating the X-NUCLEO-NFC06A1 (containing the ST25R3916) or X-NUCLEO-NFC08A1 (containing the ST25R3916B). The package also contains a sample application to detect different types of NFC tags and mobile phones supporting P2P.

Figure 1. Functional block diagram



STSW-ST25R013 is available for free download from www.st.com.

License

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Revision history

Table 1. Document revision history

Date	Version	Changes
01-Feb-2019	1	Initial release.
11-Feb-2020	2	Changed document classification, from ST restricted to Public. Updated Section Features .
23-Mar-2023	3	Updated document title, Section Features , and Section Description . Updated image on cover page and Figure 1. Functional block diagram . Added Section License .



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