NFCStack+

Near Field Communication Protocol Stack

- **Lower Layer**
- **Middleware/Higher Layer**
- **JSR-257**
- **Reader/Writer Mode**
- **Peer-to-peer mode**
- **Simple, flexible API**

Function

Stollmann's higher-layer NFC protocol stack is the leading one worldwide which covers the complete NFC technology from chiplevel to the application interface. Reader/Writer mode consistent with NFC-Forum specification, CardEmulation and Peer-to-peer mode are supported.

Stollmann offers its NFC-Stack+ for use with various chipsets. The code size and performance can be optimized for integration with a specific chip. Porting to other operating systems is possible using a simple system interface.
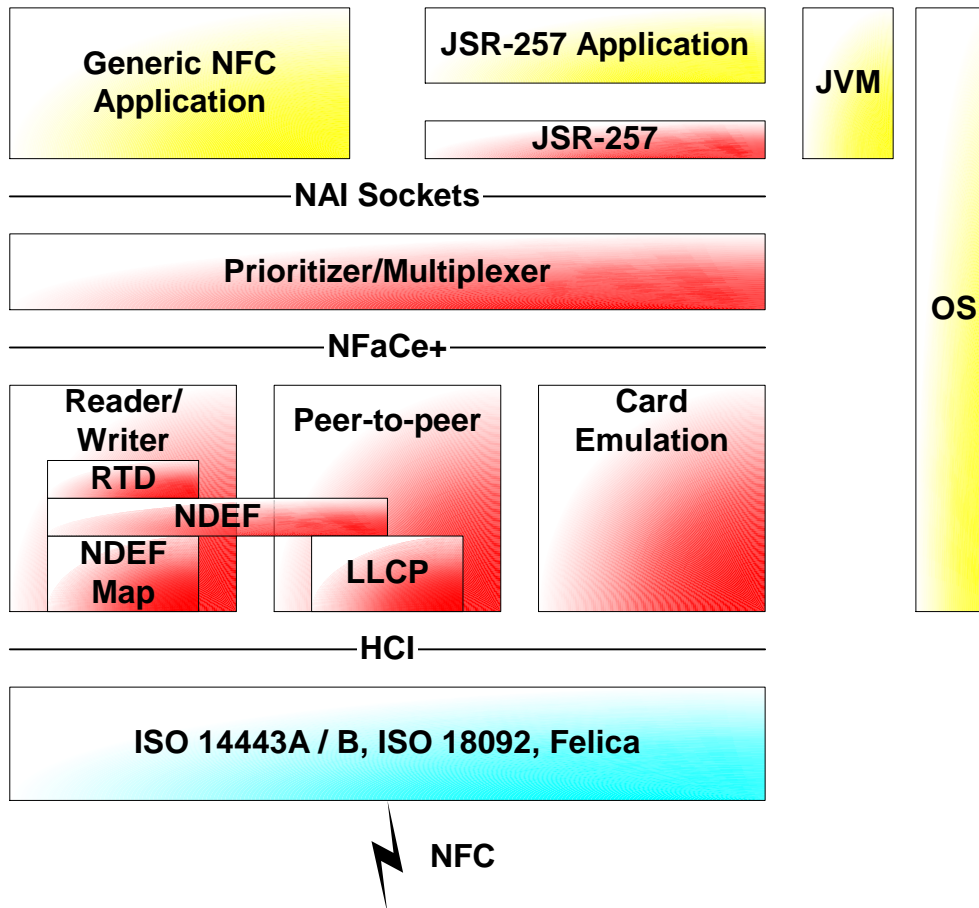
The reader/writer mode allows RFID tags and contactless smart cards to be read. In card emulation mode, the NFC stack itself emulates a tag or smart card. Peer-to-peer mode facilitates the symmetrical exchange of data between two NFC devices.

The following drawing shows how the stack is organized:

An evaluation kit is available for demonstration and testing purposes. It includes the stack with its well-organized user interface for Windows PCs as well as a reader/writer USB adapter and a number of tags and smart cards, allowing a complete NFC system to be build that is also suitable for testing using third-party tags or cards.

Our development kit makes application development much easier and safer. The development kit is based on the evaluation kit, but additionally includes source code of the user interface, complete with documentation, which can then be used as the code foundation for the NFC applications to be developed.

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