

NFCMod+D80



FCC ID:2AB8TNFC

Overview

Stollmann NFCMod+D80 is an USB interface NFC device, based on the contactless RFID 13.56MHz technology. It is made by Shanghai Stollmann Communication Technology Co., Ltd. It supports full NFC mode: Reader/writer mode, Peer to Peer mode, Card Emulation mode. With the USB dongle, there is complimentary Host DevKit software for user easy evaluation, or for customer easy application development.



Technical Specifications

NFC Controller IC	NFC_001
Host Interface	USB 2.0
Standards	ISO/IEC 14443A/B, ISO/IEC 18092, ISO15693, MIFARE®, FeliCa™
RF Interface Speed	Up to 424kbit/s
RF Frequency	13.56 MHz
Host Software	Devkit software provided
OS Support	Windows XP/7/8, Android, Linux
Antenna	Well tunneled on board
Size	mm *mm * mm
Temperature Range	Commercial (0° to 70°)
Certifications	CE / FCC (TBD)

Host software support

Stollmann provides the Devkit software for this NFC device, it contains:

- NFC evaluation application, for demo all 3 mode NFC functionality.
- NFC Stack library, easy API provided.
- NFC Standard: NFCIP-1, LLCP, SNEP, NPP, NDEF, RTD, Tag Type Mapping.
- Log system provided.

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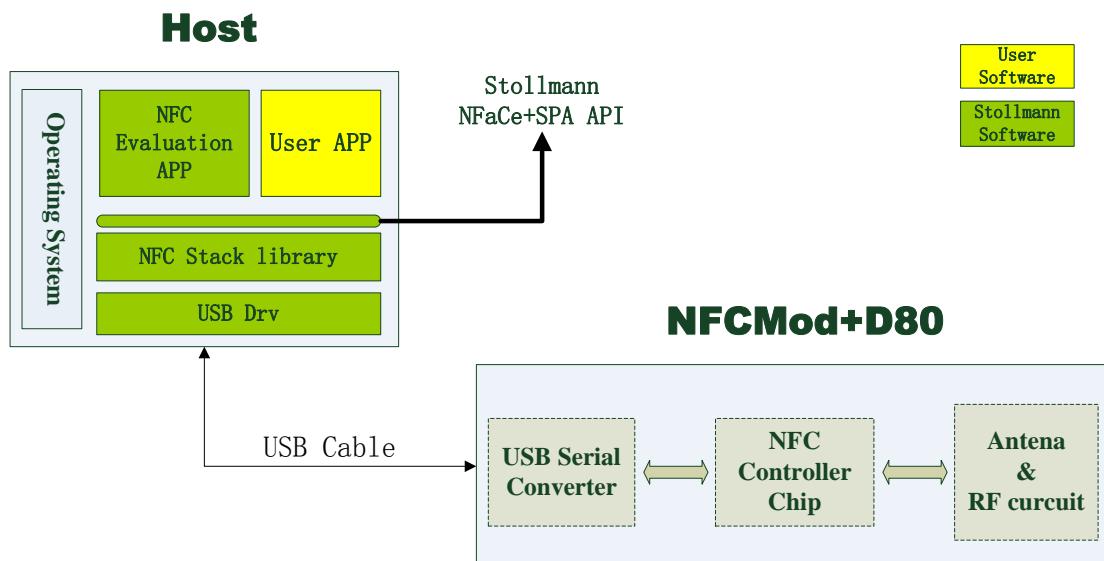
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- Documentations: user guide, API programming doc, etc.
- User specific OS(e.g. Embedded RTOS) can be supported if request.

Usage to customer project

We recommend 2 steps to use this device in customer project:

1. User installs the evaluation application on the host for evaluating the NFC functionality: RW, P2P, CE.
2. User develops his own application based on Stollmann NFC Stack library. The NFC stack provides the easy and high-level abstract API interface, and covers reader/writer (include NDEF functions), peer to peer and card emulation. In this way, user can only focus on NFC applications development, instead of NFC detail and complex technology. Please refer to below picture.



“NFC – driven by Stollmann!”

If you have any questions or require additional integration support or miss any features in our product, please let us know and contact us at sct@stollmann.com.cn

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This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.