

## ProDVX NFC Module

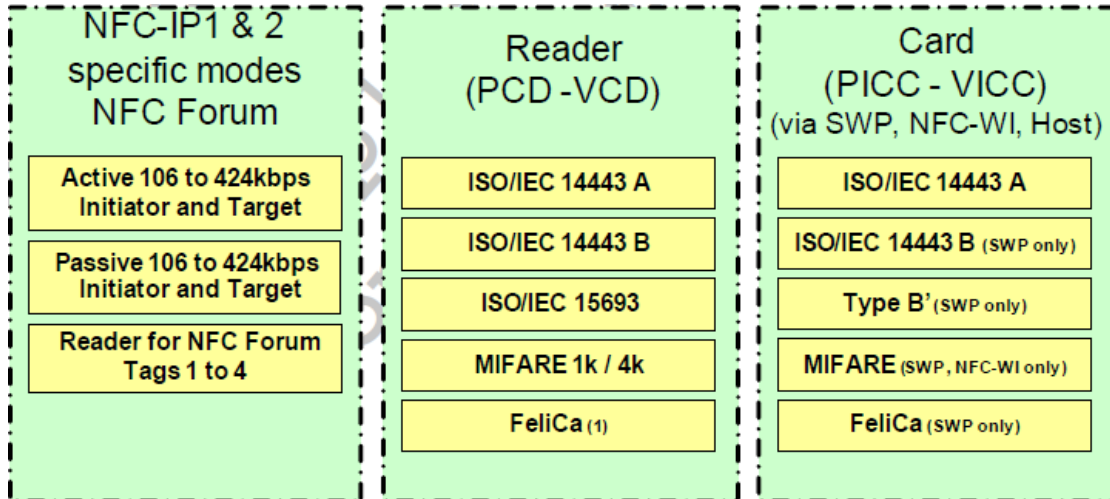


## Basic Specification

ISO/IEC 14443 Type A/B, R/W up to 848 kbits
ISO/IEC 18092 FeliCa R/W up to 424 kbits
Support for all mandatory NFC Forum tags
Support for MIFARE 1K, 4K
Frequency: 13,56 MHz
Interface: USB 2.0
Power supply: USB Bus
Reading distance: up to 4 cm

## General description

Supported transmission modes are listed in Fig. below.



### RF protocols supported

- ◆ ISO/IEC 14443A, ISO/IEC 14443B PCD 106 kbit/s to 848 kbit/s
- ◆ ISO/IEC 14443A, ISO/IEC 14443B PICC 106 kbit/s to 424 kbit/s
- ◆ MIFARE reader encryption mechanism (MIFARE 1K/4K)
- ◆ Reading NFC Forum tags (MIFARE Ultralight, Jewel, FeliCa open tag, ISO/IEC 14443-4)
- ◆ Reading DESFire card
- ◆ ISO/IEC 15693/ICODE reader
- ◆ NFC-IP1 and NFC-IP2 protocols (ISO/IEC 18092 /ECMA 340 and ISO/IEC 21481/ECMA 352) 106 kbit/s to 424 kbit/s
- ◆ B' card emulation over SWP
- ◆ MIFARE card emulation over SWP
- ◆ FeliCa card emulation over SWP

### Supported Secure Element interfaces

- ◆ SWP/HCI (Single Wire Protocol) according ETSI/SCP standardization
- ◆ ISO/IEC 28361 (ECMA 373) NFC-WI interface to connect an external Secure Element restricted to 106 kbit/s. Signal In activation is not implemented.