

# NFC Module



## Specifications:

<b>Mounting</b>	POGO Pin
<b>Dimensions</b>	70 x 55 x 24 mm
<b>Weight</b>	28 g
<b>Power Supply</b>	USB Bus
<b>Reading distance</b>	4 cm
<b>Frequency</b>	13,56 MHz

## Supported transmission modes:

NFC-IP 1&2 Soecific modes NFC Forum	Reader (PCD - VCD)	Card (PICC - VICC) (via SWP, NFC-WI, Host)
Active 106 to 424kbps Initiator and Target	ISO/IEC 14443 A & B	ISO/IEC 14443 A & B (SWP only)
Passive 106 to 424kbps Initiator and Target	ISO/IEC 15693	Type B' (SWP only)
Reader for NFC Forum Tags 1 to 4	MIFARE 1K - 4K	MIFARE (SWP,NFC-WI only)
	FeliCa (1)	FeliCa (SWP only)

## RF Protocols supported:

- ❖ ISO/IEC 14443 Type A/B, R/W up to 848 kbits
- ❖ ISO/IEC 18092 FeliCa R/W up to 424 kbits
- ❖ NFC Forum tags (MIFARE Ultralight, Jewel, FeliCa open tag, ISO/IEC 14443-4)
- ❖ Support for MIFARE 1K, 4K
- ❖ Reading DESFire card
- ❖ ISO/IEC 15693/ICODE reader
- ❖ NFC-IP1/-2 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
- ❖ 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.