

# NFC ConnectIT Board



Simple. Robust. Computing Solutions

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## Overview

Ex-NFC is an easy solution for adding NFC to your design. It features NXP's PN7120 Full NFC forum compliant controller as well as trace antenna. Ex-NFC comes in the mikroBUS form factor and communicates with the host board via I2C signaling. The board is designed to use either 5.0V or 3.3V power supply

## NFC ConnectIT Highlighted Features

- ✿ Includes NXP ISO/IEC14443-A, Innovatron ISO/IEC14443-B and NXP MIFARE Crypto 1 intellectual property licensing rights
- ✿ ARM Cortex-M0 microcontroller core
- ✿ RF protocols supported
- ✿ NFCIP-1, NFCIP-2 protocol
- ✿ ISO/IEC 14443A, ISO/IEC 14443B PICC mode via host interface
- ✿ ISO/IEC 14443A, ISO/IEC 14443B PCD designed according to NFC Forum digital protocol T4T platform and ISO-DEP
- ✿ FeliCa PCD mode
- ✿ MIFARE PCD encryption mechanism (MIFARE 1K/4K)
- ✿ NFC Forum tag 1 to 4 (MIFARE Ultralight, Jewel, Open FeliCa tag, DESFire) (see Ref. 11)
- ✿ ISO/IEC 15693/ICODE VCD mode