NFC Adapter

The NFC reader & writer

The USB stick which was especially designed for applications in the area of Near-Field-Communication (NFC) is based on the contactless RFID 13.56MHz technology.
It supports NFCIP-1 mode (ISO/IEC 18092), ISO 14443A/MIFARE®/FeliCa™ as well as ISO 14443B reader/writer standards and can be applied immediately by using an appropriate NFC Stack (e.g. Stollmann NFCStack+).
Quick start via standard USB, compact dimensions and a stylish housing turn the stick into an attractive alternative for numerous NFC applications.

By combining these features with a CE- and FCC-certification the product meets the requirements of the market perfectly.
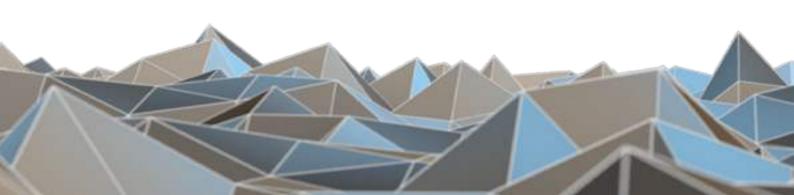
Feature Overview

TRANSCEIVER IC	PN532
HOST INTERFACE	USB 2.0
TRANSMISSION SPEED	USB 2.0 full speed
POWER SUPPLY	BUS powered
STANDARDS	ISO/IEC 14443A/B and ISO/IEC 18092
RFID INTERFACE SPEED	Up to 424kbit/s
OPERATING FREQUENCY	13.56MHz
STATUS INDICATOR	1 Duo LED
POWER CONSUMPTION [MAX]	1.8W
TEMPERATURE RANGE	Commercial (0° to 70°)
ROHS COMPLIANT	Yes
DIMENSIONS	90mm x 26mm x 10 mm
CERTIFICATIONS	CE FCC

90mm / 3.54"

26mm / 1.02"

Applications

» Access control
» Authentication
» Micro-payment
» NFC mobile tag
» Customer loyalty
» Time and attendance
» e-payment

NFC Adapter

The NFC reader & writer

Software Overview

The LPCDemoproject is intended as a guideline on how to read data from a NFC Tag.
Once the NFC Adapter is connected to a PC, the adapter will register as a Mass Storage Device (named "RFID2USB") in Windows Explorer. Once a NFC Tag is brought into the RF field of the NFC Adapter, the data from the NFC Tag (Mifare 1k or Mifare Ultra Light card) is being read. This data is then (in its raw form) presented as a file on the Mass Storage Device.

» **Full IAR Embedded Workbench for ARM Getting Started Project**
» **Full documentation**
» **Sample RFID cards included**
» **Schematics included**
» **Getting started documentation**

Supported Cards

» **Mifare Classic**
» **Mifare Ultralight**
» **Mifare Ultralight C**
» **Mifare Desfire**
» **Mifare Plus**
» **Sony FeliCa**

Contents

» **NFC Adapter**
» **Stollmann NFCStack+ Trial**
» **Getting started demos**

Ordering Information

Order No.	Info
100-3601-1	NFC Adapter Kit