



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



NFC Adapter

The NFC reader & writer



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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 |



Applications

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

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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 |

BLUETECHNIX Mechatronische Systeme GmbH
Waidhausenstraße 3/19 | 1140 Wien, Austria
+43 (1) 9142091 x 0 | +43 (1) 9142091 x 99
www.bluetech.com | office@bluetech.com

