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The NF4 chip is an NFC Forum Type 4 dual interface tag IC. It is intended for use in applications requiring a dual communication in-terface, contact and contactless, read/write memory with optionally security features to protect data privacy and integrity. The contactless interface is based on ISO/IEC14443 standard Type A.

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## NFC Forum Type 4 Features Dual Interface Contact ...

October 2017 DocID027776 Rev 4 1/52 ST25TA512  
NFC Forum Type 4 Tag IC with 512-bit EEPROM  
Datasheet -production data. Features.

Contactless interface • NFC Forum Type 4 Tag,  
certified by the NFC Forum • ISO/IEC 14443  
Type A • 106 kbps data rate • Internal tuning  
capacitance: 50 pF. Memory • 64-byte (512  
bits) EEPROM • Supports NDEF data structure

## NFC Forum Type 4 Tag IC with 512-bit EEPROM

This specification is part of the NFC Forum

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documentation about tag types that an NFC Forum Device needs to support in Reader/Writer mode. This specification documents how an NFC Forum Device SHALL operate an NFC Forum Type 4 Tag Platform. This is not a specification of the NFC Forum Type 4 Tag Platform itself. 1.1 Objectives

## Type 4 Tag operation - Apps4Android

2/4 DocID031408 Rev 1 1 Description The CLOUD-ST25TA02KB is a ready-to-use demonstration board intended to evaluate the ST25TA02KB-P device. The ST25TA02KB-P is a dynamic NFC/RFID tag IC with a digital General

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Purpose Output (GPO), embedding a 2 Kbit EEPROM that supports NDEF tag applications for NFC Forum Type 4.

## NFC Forum Type 4 Tag IC demonstration board

Home electronics. Type 4: The Type 4 tag offers the most flexibility and memory of all the tags. It comes with a moderate to high price tag, depending on the amount of memory you get. The most important reason to get this tag is security: It offers the functionality needed to perform true authentication.



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## The NFC Forum Tag Types - dummies

A completed Technical Specification Release represents a stable set of features across all specifications of that release. Editorial modifications to specifications within a completed release do not change the version number but update the publication date. ...  
Type 4 Tag Operation Specification 2.0; ...  
The Near Field Communication (NFC) Forum ...

## Specification Releases - NFC Forum

The NFC Forum has 130+ member organizations and is the world's leading standards and advocacy association for Near Field

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Communication (NFC) technology. Membership levels include; Sponsor, Principal, Associate, Implementer and Non-profit. Learn more about the benefits of membership.

## NFC Forum - NFC Forum

In the NFC Forum the “NFC Forum Type 4 Tag Operation” version 2.0 technical specification has been developed to describe how the reader device (called NFC Forum device) can store NDEF data inside an NFC Forum Type 4 Tag platform.

## AN11004 MIFARE DESFire as Type 4 Tag

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The chip has a file-based memory structure of totally 416 bytes compliant to NFC Forum Type 4 Tag and ISO/IEC 7816-4 with a Capability Container (CC) file to specify the NFC Forum tag operation, an NDEF file as well as an extra data file to protect sensitive content. Configurable access rights per file support different use cases of brand product

[NTAG 424 DNA TT - Secure NFC T4T compliant IC with Tag ...](#)

Protocol Technical Specification. Download NFC Forum technical specifications.. NFC Logical Link Control Protocol (LLCP)

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Technical Specification Defines an OSI layer-2 protocol to support peer-to-peer communication between two NFC-enabled devices, which is essential for any NFC applications that involve bi-directional communications.

## NFC Forum: Technical Specifications

NFC Forum Type 4 Tag ISO/IEC 14443 Type A 106 Kbps data rate Internal tuning capacitance: 25 pF Memory 8-Kbyte (64-kbit) EEPROM Support of NDEF data structure Data retention: 200 years Write cycle endurance: 1 million Write cycles at 25 °C; 600k Write cycles at 85 °C

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M24SR64-Y - 64-Kbit Dynamic NFC/RFID tag NFC forum Type 4 ...

Near-Field-Communication (NFC) is a set of communication protocols for communication between two electronic devices over a distance of 4 cm (1 1 ? 2 in) or less. NFC offers a low-speed connection with simple setup that can be used to bootstrap more-capable wireless connections.. NFC devices can act as electronic identity documents and keycards. They are used in contactless payment systems ...

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[Near-field communication - Wikipedia](#)

NFC Forum Type 4 Tag IC with 2-Kbit EEPROM and RF Session digital output Data brief Features Contactless interface • NFC Forum Type 4 Tag • ISO/IEC 14443 Type A • 106 Kbps data rate • Internal tuning capacitance: 25 pF Memory • 256-byte (2-kbit) EEPROM • Support of NDEF data structure • Data retention: 200 years

[NFC Forum Type 4 Tag IC with 2-Kbit EEPROM and RF Session ...](#)

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## Nfc Forum Type 4 Features Dual Em Microelectronic

This specification is part of the NFC Forum documentation about tag types that an NFC Forum Device needs to support in reader/writer mode. This specification documents how an NFC Forum Device SHALL operate an NFC Forum Type 2 Tag Platform.

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This is not a specification of the NFC Forum Type 2 Tag Platform itself.

## Type 2 Tag Operation - Apps4Android

The ST25TA02K-P device is a dynamic NFC/RFID tag IC with a general purpose digital output. It embeds an EEPROM memory. It can be operated from a 13.56 MHz RFID reader or an NFC phone. The ST25TA02K-P is an NFC Forum Type 4 Tag; it communicates using the ISO/IEC 14443 Type A protocol.

NFC Forum Type 4 Tag IC with 2-Kbit EEPROM and general ...



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GET\_VERSION command for easy identification of chip type and supported features; 32-byte originality signature; ISO/IEC 14443 and NFC Forum Type 2 Tag features Operating distance up to 100 mm; True anti-collision; 4-byte write operation in < 4.8 ms to EEPROM and < 0.8 ms to SRAM; 64-byte write operation (FAST\_WRITE) in < 6.1ms to SRAM

## NTAG I2C | NXP

Features¶ Can read and write NFC Forum Type 1, 2, 3, 4 and Mifare Classic tags. NDEF definitions can be directly read/written with API. Supports NFC P2P mode; Supports card

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emulation mode; Range is restricted to 10cm (3.94")

Doc | Tinkerforge

NFC Forum Type 4 Tag and I<sup>2</sup>C interface

Datasheet -production data Features I2C

interface • Two-wire I2C serial interface

supports 1 MHz protocol • Single supply

voltage: 2.7 V to 5.5 V Contactless interface

- NFC Forum Type 4 Tag • ISO/IEC 14443 Type A
- 106 Kbps data rate

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