

NTAG216 card



This NFC card is a 86mm x 54mm rectangular card that operates at 13.56 MHz wireless frequency and contains 881 bytes of usable read/write space for NDEF data. Based on the NTAG216 chip from NXP, this card offers advanced security, anti-cloning features as well as a permanent lock feature, therefore user data can be permanently configured read-only. The NTAG216 NFC chip is interchangeable with NTAG213 or NTAG215.

Subject to memory size, this card is suitable for storing

- any type of URI including URLs, telephone numbers, SMS, e-mail and geo-locations
- plain text or a combination of plain text and a URI
- vCards and signatures

Typical application areas include:

- smart posters, advertising displays, kiosks and bus stop advertisements
- handouts, brochures, leaflets, flyers and magazines
- contactless ID/ticketing
- embedding in devices
- Public Transportation
- loyalty and payment

This card is NFC forum type 2 compliant and typically operates at a distance of up to 5cm depending on the power provided by the NFC enabled device.

Supplied as plain white PVC cards to ISO standard.

Pricing is per card.

Please note - NFC cards and stickers will generally not work if attached or very near to a metal surface, unless you use one of our all surface products.

High performance NFC contactless card. 881 bytes of usable memory. 86mm x 54mm PVC card.

NXP - cards/tags/labels

To buy, visit:

<https://www.smartcardfocus.com/shop/ilp/id~929/ntag216-card/p/index.shtml>

This Product Briefing has been produced by Dot Origin Ltd, the smart card experts behind SmartcardFocus.com. If you have a query email sales@smartcardfocus.com or call us on +44 (0)1428 685250.

Technical Specifications

Contactless Card Interface:

Contactless interface standard: ISO 14443

Contactless credential types: NFC Forum Tag Type 2

Contactless operating frequency: High (13.56MHz)

Data transmission protocol: T=CL

Contactless data security: Capability container one-time programmable, with anti-tearing support and lock bits; ECC based originality signature; 16-bit CRC, parity, bit coding, bit counting.

Contactless operating distance: Up to 100mm (3.93in)

Contactless read/write speed: 106kbit/s

Data retention: 10 years

Write endurance: 100 000 cycles

Other Features:

EEPROM: 881 bytes user data + 7 byte serial number

Field programmable read-only locking function for first 16 pages and per 16 pages after the first 16. Configurable password protection with optional limit of unsuccessful attempts

Physical:

Dimensions: 86mm x 54mm (3.39 x 2.13in)

Weight ($\pm 5\%$): 6g (0.2oz)