

Ntag216 Chip Card-spec sheet



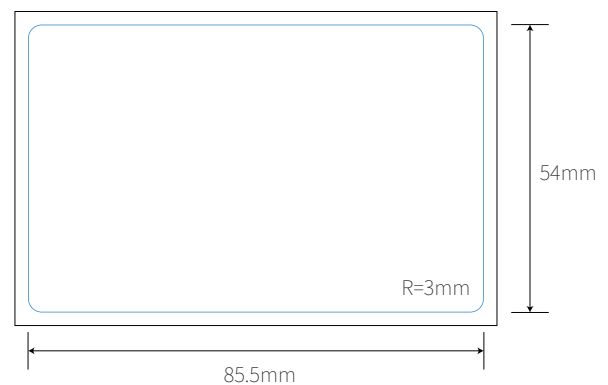
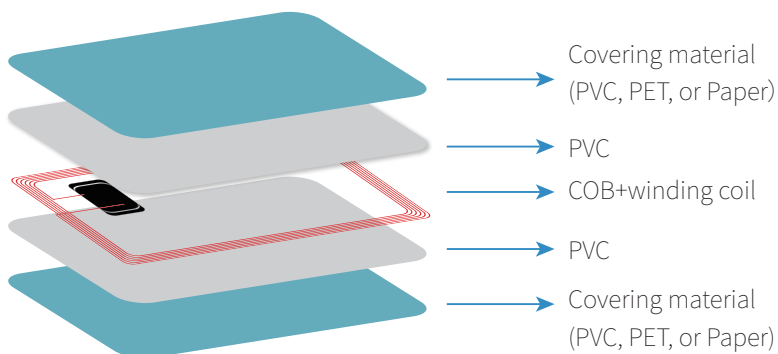
Ntag216 chip card is equipped with the Ntag216 chip, powerful and convenient. Among the Ntag21X series, the Ntag216 chip has the largest capacity. There are 888 bytes of user-programmable read/write memory.

This NFC card is compliant to NFC Forum Type 2 Tag and ISO/IEC 14443 Type A specifications. It suits Out-of-home smart advertisement, SoLoMo applications, product authentication, mobile companion tags, etc.

Parameters

Item	Ntag216 Chip Card	Color	White, Black, pink, red, blue, etc.	Working Temperature	-20~+70°C
Material	PVC, PET, or Paper	Size	CR80 (85.5*54mm) or Custom	Data Retention Time	10 years
Chip	Ntag216 Chip	Memory	888 bits	Crafts Available	silkscreen logo/Laser serial number/UID print, etc
Frequency	13.56 MHz	Reading Distance	100mm	Type	NFC
Protocol	ISO/IEC 14443	Write Endurance	100,000 times		

Dimensional Diagram



Feature

- ▶ 50 pF input capacitance
- ▶ Fast read command
- ▶ ECC based originality signature
- ▶ High data integrity of 16-bit CRC, parity, bit coding, bit counting
- ▶ 7-byte serial number (cascade level 2 according to ISO/IEC 14443-3)
- ▶ UID ASCII mirror for automatic adding the NFC counter value to the NDEF message
- ▶ Contactless transmission of data and supply energy
- ▶ True anticollision
- ▶ Fast data transfer of 106 kbit/s
- ▶ Operating frequency: 13.56 MHz
- ▶ Operating distance up to 100mm (depending on various parameters as e.g. field strength and antenna geometry)

Available chips

HF 13.56 MHz Chips

Chip Name	Protocol	Capacity	Frequency
Ntag213	ISO14443A	180 byte	13.56 MHz
Ntag215	ISO14443A	540 byte	13.56 MHz
Ntag216	ISO14443A	924 byte	13.56 MHz
MIFARE Classic 1K	ISO14443A	1 KB	13.56 MHz
MIFARE Classic 4K	ISO14443A	4 KB	13.56 MHz
MIFARE Ultralight EV1	ISO14443A	80 byte	13.56 MHz
MIFARE Ultralight C	ISO14443A	192 byte	13.56 MHz
ICODE SLIX	ISO15693	1024 bits	13.56 MHz

APPLICATIONS

- Smart advertisement
- Goods and device authentication
- Call request
- SMS
- Call to action
- Voucher and coupons
- Bluetooth or Wi-Fi pairing
- Connection handover
- Product authentication
- Mobile companion tags
- Electronic shelf labels
- Business cards