

NXP NTAG® 216

NFC Ring

AZRI-N216



Key Features

Operating Frequency
HF 13.56MHz

Chip Type
NXP NTAG® 216

International Standard
ISO/IEC 14443-A, NFC Forum Type 2

EEPROM
924 bytes

User Read/Write Area
888 bytes

1. Product Overview

Explore the future of smart life, the NTAG® 216 NFC ring brings you an unprecedented convenient experience. Built-in NTAG® 216 chip, with sufficient storage space, can quickly realize information exchange and operation triggering between devices. Whether it is sharing contacts, links, or activating smart devices, it can be done with a light touch. This ring is exquisitely designed, comfortable to wear, and has both a sense of technology and fashion. Durable materials ensure long-term use, showing your smart lifestyle anytime, anywhere.

2. Product Parameters

2.1 Physical Characteristics

SKU	AZRI-N216				
Ring Size (US)	No. 6 No. 7 No. 8 No. 9 No. 10 No. 11 No. 12 (For specific size, please check 3. How to choose the NFC ring size?)				
Material					
	Wood	Tungsten Steel + Zirconia Ceramic	Zirconia Ceramic + Epoxy	Zirconia Ceramic + Epoxy (Ammonite)	Zirconia Ceramic + Epoxy (Black Temperature Sensitivity)

2.2 Technical Parameters

Operating Frequency	13.56 MHz
Communication Protocol	ISO/IEC 14443-A, NFC Forum Type 2
Communication Rate	106 kbit/s
Operating Distance	Up to 10cm
Input Capacitance	50 pF

2.3 Chip Characteristics

Chip Manufacturer	NXP®
Chip Type	NTAG® 216
EEPROM	924 bytes
Unique Serial Number	7-byte UID
Initialized Capability Container	4 bytes
User Read/Write Area	888 bytes
Memory Access Protection	32-bit password
Originality Signature	ECC-based
Write Endurance	100,000 times
Data Retention	10 years
Organization	924 bytes organized in 231 pages with 4 bytes per page
Anticollision	Support

2.4 Additional Information

Storage Environment	+15°C to 25°C, 40% to 60%RH
Operating Environment	0°C to 40°C, 30% to 80%RH
Application	Public Transportation and Tickets Access Control Electronic Payment Electronic Business Cards Smart Home Mobile App Launch, etc.

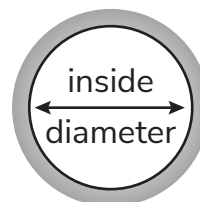
3. How to Choose the NFC Ring Size?

Method 1: Measure current ring (You can print this document on an A4 paper)

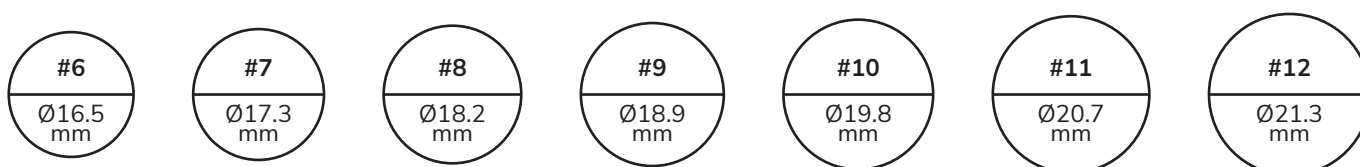
Steps 1: Take a ring that properly fits the intended finger.

Steps 2: Place the ring over the circles below. Match the inside edge of the ring to the circle nearest in size. This measurement refers to the inside diameter of the ring.

Steps 3: If the ring falls between two sizes, order the larger size.



The sizes of the rings below are in US.



Method 2: Measure finger size

To determine your size, we strongly advise that you measure the size of your finger rather than the size of your ring.

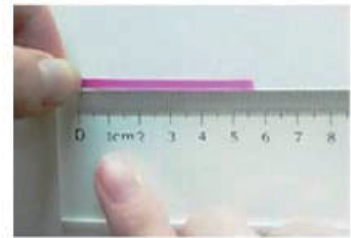
Note: Measure at least 3 times to get the average value to reduce errors.



Step 1: Take a thin string without elasticity or a paper strip.



Step 2: Tighten the string or paper, wrap it around the finger where the ring will be worn, and mark it.



Step 3: Use a ruler to measure the length of the string mark, which is the circumference of the ring you should choose.

Choose the right size for you:

Finger Circumference (mm)	Ring Size (US)	Diameter (mm)
53	6	16.5
56	7	17.3
59	8	18.2
62	9	18.9
65	10	19.8
68	11	20.7
71	12	21.3

*To ensure the ring fits comfortably, we suggest measuring your knuckle as well. We recommend selecting a size that will slide on and off your finger easily.



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