

NXP NTAG® 213

NFC FPCB Tag

AZT-N213-FPCB-D20



Key Features

Operating Frequency
HF 13.56MHz

Chip Type
NXP NTAG® 213

International Standard
ISO/IEC 14443-A, NFC Forum Type 4

User Memory
144 bytes

Operating Environment
-20~+50°C, 95% humidity

1. Product Overview

The NTAG® 213 NFC FPCB tag is an innovative solution that blends high-performance NFC technology with a flexible printed circuit board (FPCB) design. With heat and pressure resistance, it's ideal for re-encapsulation. Featuring the NTAG® 213 chip, this tag offers anti-collision capabilities to prevent interference from nearby tags, a 32-bit password for robust data protection, and a high-frequency system for seamless short-range communication. Its compact design and reliable performance make it perfect for applications like product authentication, dynamic marketing, real-time customer engagement, and more.

2. Product Parameters

2.1 Physical Characteristics

SKU	AZT-N213-FPCB-D20
Material	FPCB
Diameter	20mm ± 0.3mm
Thickness	FPCB: 0.15mm, Chip: 0.7mm
Weight	0.137g

2.2 Technical Parameters

Operating Frequency	13.56MHz
Communication Protocol	ISO/IEC 14443-A, NFC Forum Type 4
Reading Distance	2-4cm
Response Time	<80ms



2.3 Chip Characteristics

Chip Manufacturer	NXP®
Chip Type	NTAG® 213
User Memory	144 bytes
UID	7-byte
Communication Rate	106 kbit/s
Input Capacitance	50 pF
Security	32-bit password
Anti-collision	Anti-collision algorithm, without interference from other tags in the vicinity
Write Endurance	100k cycles
Data Retention Time	10 years

2.4 Additional Information

Operating Environment	-20~+50°C, 95% humidity
Application	Product authentication, dynamic marketing, real-time customer interaction

2.5 Packaging

Packing Format	Packed in box (210×100×70mm)
Packing Quantity	2000 pcs/box, G.W.:0.4kg



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