Tungsten Steel+
Zirconia Ceramic

Ammonite

Wood

Zirconia Ceramic+
Epoxy

Black Temperature
Sensitivity

RFIDBridge

NXP® NTAG® 424 DNA NFC Ring

SKU:	RSRI-N424
Chip Type:	NXP® NTAG® 424 DNA
Frequency:	HF 13.56 MHz
Read Range:	Up to 10 cm
Protocol:	ISO/IEC 14443-A, ISO/IEC 7816-4, NFC Forum Type 4
User Memory:	416 bytes
Unique Identifiers (UID):	7 bytes
Industry:	Entertainment, Events, Apparel and Fashion
Applications:	Social Engagement, Public Transportation and Tickets, Mobile Payment, Electronic Payment, Access Control, Smart Home, Mobile App Launch

The NXP® NTAG® 424 DNA NFC Ring represents the next generation of secure and interactive wearable technology. Built with advanced AES-128 cryptographic security, it ensures trusted authentication and data protection, making it ideal for applications that require high-level security and brand protection. With its seamless NFC tap-to-connect functionality, users can access personalized digital content, verify authenticity, or unlock exclusive brand experiences—all with a simple touch.

Crafted from durable and skin-friendly materials, this smart NFC ring combines comfort, style, and intelligence. It's perfect for smart access control, event engagement, digital identity verification, and anti-counterfeiting. Whether enhancing customer interaction or safeguarding digital assets, the NTAG® 424 DNA NFC Ring delivers a powerful and elegant solution for the connected world.

Physical Information	Material	Wood/Tungsten Steel+Zirconia Ceramic/Zirconia Ceramic+Epoxy /Zirconia Ceramic+Epoxy(Ammonite)/Zirconia Ceramic+Epoxy (Black Temperature Sensitivity)
	Ring Size	No. 6/No. 7/No. 8/No. 9 /No. 10 /No. 11 /No. 12 (*For specific size, please check 3.2 Additional Information)
	Operating Environment	0℃~+40℃, 30%~80% RH
	Storage Environment	+15℃~+25℃, 40%~60% RH

Technical Information	Operating Frequency	13.56 MHz
	Communication Protocol	ISO/IEC 14443-A, ISO/IEC 7816-4, NFC Forum Type 4
	Read Range	Up to 10 cm
	Chip Type	NXP® NTAG® 424 DNA
	User Memory	416 bytes
	Unique Identifiers (UID)	7 bytes
	Advanced Data Protection	SUN message featuring integrity protection, authenticity and confidentiality
	Common Criteria Certification	EAL4 for both Hardware and Software
	Originality Signature	ECC-based
	Anti-Collision	Support
	Privacy	Optional Random ID
	Security Features	Standard AES-128 Crytography and 3-pass Mutual Authentication

To learn more about our RFID solutions or request a customized product or integration, please visit our website at https://www.rfidbridge.com or reach out to our sales team directly at sales@rfidbridge.com.