



NXP® NTAG® 424 DNA Silicon Heat Press Interactive NFC Garment Badge



SKU:	RS-424-SI-D25
Chip Type:	NXP® NTAG® 424 DNA
Frequency:	HF 13.56 MHz
User Memory:	416 bytes
Read Range:	Up to 10 cm
Protocol:	ISO/IEC 14443-A, NFC Forum Type 4
Industry:	Retail, Events, Apparel and Fashion
Applications:	Inventory, Warehouse, Liquids, NFC, Laundry, Social Engagement, Brand Protection, Product Authentication

The Heat Press NFC Garment Badge represents the next evolution in wearable technology. Measuring just 25 mm in diameter, this compact badge is made from durable silicone, offering long-lasting performance in daily wear. Designed to be heat-pressed onto garments, it blends seamlessly into clothing without compromising comfort or style.

At its core lies the advanced NXP® NTAG® 424 DNA NFC chip, which enables secure and interactive connections between the garment and smartphones. With just a tap, users can access exclusive digital content, verify product authenticity, or explore immersive brand experiences—transforming apparel into a smart, connected interface.

Physical Information	Material	Silicon
	Label Size	Ø25 mm, thickness 1 mm
	Weight	0.35 g
	Printing	Custom logo printing
	Operating Environment	-40°C~+100°C, 20%~90% RH
	Storage Environment	+18°C~+28°C, 40%~60% RH
	Mounting Method	Heat-Press
	Surface	Fabrics
	Washes Limits	50+ Washes or Dries
	Instructions for Heat Pressing	Secure the badge onto the garment and apply heat for a duration of 8 to 12 seconds at a temperature range of 155 to 170°C. Subsequently, press heat onto the reverse side of the garment for an additional 10 to 15 seconds under the same temperature conditions.

Technical Information	Operating Frequency	13.56 MHz
	Communication Protocol	ISO/IEC 14443-A, NFC Forum Type 4
	Read Range	Up to 10 cm
	Chip Type	NXP® NTAG® 424 DNA
	User Memory	144 bytes
	UID Memory	7 bytes
	Authentication	Standard AES-128 cryptography for authentication and 3-pass mutual authentication to access the protected data file
	Generic Logo	Yes

Packing Information	Packing Format	70 pcs/sheet
	Pcking Weight	52.5 g/sheet

● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment.
 ● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage.
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