

PRODUCT DATASHEET

NFC SMART RINGS

ISO/IEC 14443 | 13.56 MHz

Brand / OEM:

Soochak Bharat Technologies Private Limited

1. Product Overview

Soochak Bharat **NFC Smart Rings** are wearable, contactless devices embedded with a secure NFC chip, enabling **tap-and-go authentication, access control, digital identity, and smart interactions**. Designed for comfort, durability, and style, these rings operate at **13.56 MHz** and are compatible with **NFC-enabled smartphones and readers**.

2. Key Features

- Compact, stylish wearable NFC form factor
- Hands-free access & authentication
- Waterproof & scratch-resistant design
- No battery required (passive NFC)
- Works with Android NFC phones & standard readers

3. Electrical & IC Specifications

Item	Specification
NFC IC	NTAG213 / NTAG215 / NTAG216 / Feiju F8213 (Optional)

SOOCHAK BHARAT TECHNOLOGIES PRIVATE LIMITED

Plot No 156, Khasra No 306, Vandana Enclave, Khoda Colony, Ghaziabad, Uttar Pradesh, 201309
Mobile: - 80767 02201 | sales@soochakbharat.com | www.soochakbharat.com

Frequency	13.56 MHz
Protocol	ISO/IEC 14443 Type A
NFC Type	NFC Forum Type 2
Operating Mode	Passive
UID	7 Bytes (Read-Only)
User Memory	144 / 504 / 888 Bytes (Chip dependent)
Data Retention	10 Years
Write Endurance	≥100,000 Cycles
Read Range	1–3 cm (Device dependent)

4. Physical & Material Specifications

Parameter	Specification
Product Type	NFC Smart Ring

Material Options Ceramic / Resin / Stainless Steel

Finish Glossy / Matte

Color Options Black, White, Custom

Ring Sizes US 6–13 (Custom sizes available)

Width 6–8 mm

Thickness 2–3 mm

Weight ~5–8 g

5. Environmental Specifications

Condition	Range
Operating Temperature	–10°C to +50°C
Storage Temperature	–20°C to +60°C
Waterproof Rating	IP68

Chemical Resistance Sweat, water, mild chemicals

6. Personalization & Customization

- Laser engraved logo / text
 - Custom colors & finishes
 - UID / Data pre-encoding
 - Application-specific memory layout
 - Branded packaging
-

7. Applications

- Access Control & Smart Locks
 - Office & Campus Entry
 - Gym, Club & Resort Access
 - Digital Business Cards
 - Smart Home Automation
 - Event & VIP Access
 - Wearable Identity Solutions
-

8. Compatibility

- Android NFC-enabled smartphones
- ISO/IEC 14443 compliant NFC readers
- Access control & authentication systems

(Note: iOS NFC behavior depends on application and OS support)

9. Compliance & Standards

- ISO/IEC 14443 Type A

- NFC Forum Compliant
- RoHS & REACH Compliant

10. Packaging Details

Item	Specification
Individual Packing	Premium Box
Bulk Packing	As per order quantity
Shelf Life	2 Years

11. Handling & Usage Instructions

- Avoid strong impacts or dropping
- Clean with soft cloth and mild soap
- Do not resize or apply excessive force

Manufacturer / OEM

Soochak Bharat Technologies Private Limited

Wearable NFC • Smart Identification • Digital Access Solutions

SOOCHAK BHARAT TECHNOLOGIES PRIVATE LIMITED

Plot No 156, Khasra No 306, Vandana Enclave, Khoda Colony, Ghaziabad, Uttar Pradesh, 201309
Mobile: - 80767 02201 | sales@soochakbharat.com | www.soochakbharat.com