

PRODUCT DATASHEET

HF NFC KEY FOBS & NFC WRISTBANDS

ISO/IEC 14443 | 13.56 MHz

Brand / OEM:

Soochak Bharat Technologies Private Limited

1. Product Overview

Soochak Bharat **NFC Key Fobs and NFC Wristbands** are compact, durable, and secure contactless identification solutions operating at **13.56 MHz**.

Designed for **access control, attendance, cashless systems, and authentication**, these devices provide reliable performance in daily-use and harsh environments while offering excellent user convenience.

2. Available Form Factors

A. NFC Key Fobs

- ABS / Epoxy / Leather Key Fobs
- Waterproof & impact resistant
- Lightweight and pocket-friendly

B. NFC Wristbands

- Silicone Wristbands
- PVC / Fabric Wristbands
- Adjustable & waterproof designs

3. Electrical & IC Specifications

SOOCHAK BHARAT TECHNOLOGIES PRIVATE LIMITED

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Item	Specification
NFC IC	Feiju F8213 / Equivalent
Frequency	13.56 MHz
Protocol	ISO/IEC 14443 Type A
NFC Type	NFC Forum Type 2
Operating Mode	Passive (Battery-free)
UID	7 Bytes (Read-Only)
Total Memory	180 Bytes
User Memory	144 Bytes (Read/Write)
Password Protection	4 Bytes
Data Retention	10 Years
Write Endurance	\geq 100,000 Cycles

Read Range	Up to 3–8 cm (Reader dependent)
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4. Mechanical & Material Specifications

NFC Key Fobs

Parameter	Specification
Material	ABS / Epoxy / Leather
Typical Size	35–45 mm (varies by model)
Thickness	3–6 mm
Weight	~5–10 g
Waterproof Rating	IP65 / IP67 (Model dependent)

NFC Wristbands

Parameter	Specification
Material	Silicone / PVC / Fabric

Size	Adult / Child
Strap Type	Adjustable / Snap Lock
Waterproof	Yes
Wearing Comfort	Skin-friendly, anti-allergic

5. Environmental Specifications

Condition	Range
Operating Temperature	-20°C to +60°C
Storage Temperature	-25°C to +70°C
Humidity	20% to 90% RH
Durability	Resistant to sweat, dust & water

6. Personalization & Customization

- Laser Engraved Logo / UID

- Printed Logo & Text
 - Color Customization
 - Pre-Encoding & Data Programming
 - Serial Numbering
 - QR Code / Barcode (Optional)
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7. Applications

- Access Control & Door Entry
 - Gym & Club Membership
 - Hotels & Resorts
 - Swimming Pools & Water Parks
 - Events & Festivals
 - Employee / Visitor Identification
 - Cashless Payments (Closed Loop)
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8. Compliance & Standards

- ISO/IEC 14443 Type A
 - NFC Forum Compliant
 - RoHS & REACH Compliant
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9. Packaging Details

Item	Specification
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Key Fobs	100 / 200 pcs per box
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Wristbands	50 / 100 pcs per box
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Bulk Packing As per customer
requirement

Shelf Life 2 Years

10. Handling & Safety Instructions

- Do not cut, drill, or tamper with antenna area
 - Avoid prolonged exposure to extreme heat
 - Clean with mild soap and water only
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Manufacturer / OEM

Soochak Bharat Technologies Private Limited

Smart Identification • NFC • RFID Solutions

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