

ICE SmartTag Product Catalog & Technical Specifications

Comprehensive Wearable Options, Physical Solutions & Technical Architecture

1. Executive Summary & Overview

In the modern world, In Case of Emergency (ICE) profiles are vital for ensuring first responders have immediate access to critical medical information and emergency contacts. Traditional paper or card solutions are easily lost, degraded, or damaged.

The ICE SmartTag Solution by Infinite Recreations bridges creativity and advanced technology. By integrating secure digital profiles with durable, wearable, and mountable hardware, we ensure your essential data is always accessible when it matters most, while maintaining strict privacy and security standards so sensitive information is only exposed during an emergency.

2. Physical Carrying Solutions & Customization

Infinite Recreations provides a versatile range of physical form factors designed to embed our unique digital profile technology. All items are fully customizable to suit individual preferences or corporate branding.

- **Keyrings & Tokens:** Compact, durable everyday carry items designed for daily use.
- **Smart Coins & Badges:** Discreet, portable tags suitable for attachment to bags, lanyards, or apparel.
- **License Disk Holders:** Engineered for vehicle safety, ensuring roadside emergency readiness.
- **Custom 3D Design:** Tailor-made physical solutions for clients requiring unique, non-standard configurations utilizing SolidWorks and OnShape expertise.

3. Technical Architecture & Security

The ICE SmartTag platform operates on a secure cloud-hosted database architecture designed to protect user privacy while ensuring rapid retrieval by emergency personnel.

Technical Parameter	Specification Details
RFID / NFC Chip Integration	LF (125kHz), HF/NFC (13.56MHz - NTAG213/215/216, Mifare 1K), UHF (860-960MHz).
Environmental Durability	IP68 Ingress Protection across all silicone and sealed hardware; operating range -20°C to +85°C.
Deployment Workflow	1. Profile Registration -> 2. Hardware Pairing -> 3. Instant Smartphone Scan by First Responders.

4. Pricing Structure & Commercial Inquiries

Infinite Recreations offers competitive pricing structures for individuals and families, alongside customized tiered rates for corporate entities, schools, and medical institutions.

Get in touch with our team for orders, custom branding, or wholesale distribution:

- **Email:** admin@infiniterecreations.co.za
- **WhatsApp:** +27 82 827 6534 / +27 71 378 9808
- **Hub:** <https://smarntag.digital/ice-smarntag/>

5. RFID Silicone Wristband & NFC Bracelet Options

Our catalog includes a broad spectrum of medical-grade 100% silicone wristbands, engineered for durability, comfort, and water resistance in active or emergency environments.

- **Standard Adjustable:** Size: 240 x 13mm | Material: 100% Silicone | IP Class: IP68 | Chips: LF, HF, UHF | Features: Adjustable, sleek, fashion-forward design with optional debossing, embossing, or laser numbering.



- **Dual Color / Wide:** Size: 260 x 22mm / 260 x 25mm | Material: 100% Silicone | IP Class: IP68 | Chips: LF, HF, UHF | Features: Dual color options available, robust profile for high visibility and enhanced durability.



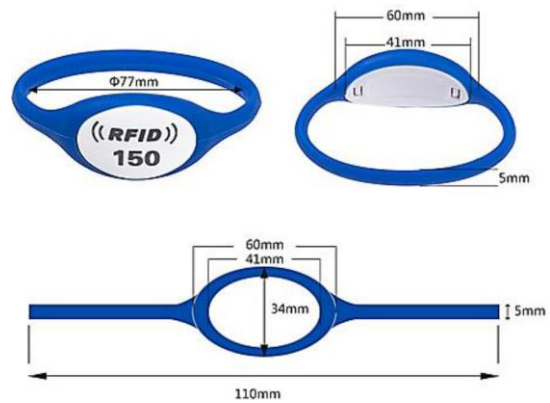
- **Classic Oval Plate:** Size: Diameter options (45mm, 55mm, 62mm, 65mm, 74mm) | Material: 100% Silicone | IP Class: IP68 | Chips: LF, HF, UHF | Features: Classic raised RFID oval plate for branding and text display.



- **Buckle & Slot Wristbands:** Size: Adjustable 235x20mm to 245x20mm | Material: 100% Silicone + Metal/Buckle Options | IP Class: IP68 | Chips: LF, HF, UHF | Features: Secure watch-style buckle fastening or specialized slot designs for cashless payment and events.



- **Solid Loop & Fashion Styles:** Size: Diameters 55mm to 87mm | Material: 100% Silicone | IP Class: IP68 | Chips: LF, HF, UHF | Features: Seamless loop bands, smooth contours, and specialized secure fasteners.



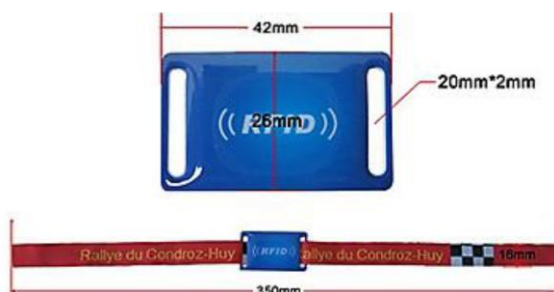
6. RFID Nylon, Woven & Specialty Wristbands

For events, festivals, or durable tactical wear, our nylon and fabric collections offer robust security with interchangeable plastic or PVC tags.

- **Nylon Wristbands:** Size: Adjustable lengths (245mm to 280mm) | Material: Nylon band + ABS/PVC Plate | Chips: LF, HF, UHF | Features: Adjustable, strong, classic fit with full personalization options.



- **Festival Bands / Cashless Payment:** Size: Woven band 15x350mm / 16x400mm | Material: Fabric + PVC/Soft Vinyl mini tag | Chips: LF, HF, UHF | Features: Reusable or one-time-use closures, full-color dye-sublimation branding, QR codes, and barcodes.



- **Elastic Reusable Woven Bands:** Size: Width 24-25mm, Lengths 140mm to 200mm | Material: Elastic Woven Fabric | Chips: LF, HF, UHF | Features: Ultra-comfortable stretch fit, ideal for extended wear and membership tokens.



- **Disposable & Colorful Printing Bands:** Size: 20x255mm to 30x255mm | Material: Tyvek / Waterproof PVC | Features: Economic single-use event bands with barcode/QR integration and direct-writing medical fields.



- **Customized Club Party Events LED Wristbands:** Children LED Festival, Club Sound activated LED, Club Vibrate, Sports/Night running LED, LED Wristbands + Controller

