NFC Card Buying Guide
Steps for success in Enterprise deployment

Define Application
- Business card
- Loyalty card
- Membership card
- Gift Card

Motive & Needs Identification
- Sustainability
- Process digitalisation
- Better data capture

Factors to access
- Scale of operational impact
- ROI requirements
- Environmental considerations
- Existing system compatibility
- Reporting Requirements

RFID Data
- Unique Identifiers
- Item–specific data
- Read–only or write only
- Data capacity
- Data Encoding
- Data Security
- Data Integration

Technical Specification
- Frequency
- Tag–type
- Application

Accreditations
Certifications & Regulations

Software
Build, API or hybrid

Integrations
API or Custom

Plug Ins
Print on demand
Directory

Chip selection
- Frequency
- Read range
- Data Storage Capacity
- Data security
- Cost
- Application Environment
- Standards and compatibility

Chip Sourcing
- Directly from RFID Chip Manufacturers
- Authorised Resellers and Distributors
- Online Marketplaces
- Industry Trade Shows and Events
- RFID System Integrators and Solution Providers

Start

SOLUTION EXPLORATION

NFC PRODUCT SELECTION

DATA MANAGEMENT

IMLEMENTATION

USER MANAGEMENT

Selection

Solutions
End–to end RFID hardware + product + platform to manage
Product only = own platform
Product + chip from reseller + own software

Web search terms
NFC Solutions + Country + product type
Use case + NFC + industry

AI Prompts
Write RFP for RFID
List accreditations for RFID + application
What fields are in vCard files
Chip name + Data character count
what are the steps for {job title] + use case + with RFID.

Online research
Independent reviews, customer references and smartphone compatibility

Physical
- Cards
- Tags
- Stickers
- Wristbands
- Rings
- Key fobs
- Tokens
- Hang tags
- Inserts

Digital
- Digital Wallet cards
- Digital Wallet Tickets
- Digital Wallet gift vouchers
- QR codes

QR
- Standard QR
- variable QR

Bio Page
- Determine user/central fields
- Design Template
- Enable User editable fields
- Via Link
- Hosting

Materials
- Recycled PET
- Ocean Bound rPET
- PVC
- Wood
- Metal
- Metal/PVC hybrid
- Paper

Product Design
QR code size 20mm
2mm space on product edge

Personalisation
- Unique Identifier Number
- Name/Deptment
- Barcode

Quality Assurance checklist
Environment factors include temperature, moisture, level oof usage, required lifecycle, sustainiblility of materials, recycling and waste management.

Supply of data
Data for card production – Personalisation, UID, Logo, Images
Supply of chip/QR endoded data – see below

Type of encoding
Single Encoding – one record encoded.
Variable Encoding – unique records in each NFC product.

What can you encode onto a NFC Chip or QR code?
- Mobile site
- Business card/vCard
- Link/URL
- Wifi
- Bluetooth
- Email
- Telephone number
- Geo Location
- Launch Application
- Plain Text
- SMS

Review Technical Specifications

Data Security
Locked encoding – record cannot be changed
Unlocked encoding – record can be changed by a RFID Tagwriter.

Pilot
Small scale implementation to unlock possibilities, blockages, collaborative.

Administrator requirements
Parties who will manage the live project included in discussions and pilot planning.

Distruibution
Central location + distribute internally
Batch packaging + distribute at production site
Order non personalised stock + distribute on demand

Cyber Security Risk Assessment
Air gap or Integrate, warranties, technical support, ?

Product Ordering
Bulk order
Unlocked cards + encode on demand
Locked Cards + laser print personalisation

Supply Chain Forecasting
Risk management, Secure materials at the right price, shelf life,.

Portal
Edit bio page

Buying Group Consensus
Learnings from pilot delivering adaptations from pilot. Give supplier input and voice to align requirements and challenges. Adjust timings, pricing and solution process.

Price Negotiations
Comparison of value including long–term value, return on investment (ROI), and any potential hidden costs.

Scalability
Unit economics and ROI on volume. Do we want to yield revenue, productivity or other impact metric.

Total Cost of Ownership
Hardware, software licenses, implementation services, support fees, and ongoing maintenance costs.

TEAM REQUIREMENTS

PROJECT LEAD · OPERATIONS · PROCUREMENT · TECHNICAL · DATA · DESIGN

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