

Contactless ISO Card

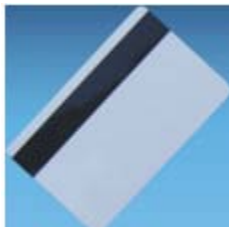
Our Contactless Cards are produced in accordance with ISO standard 7816 and laminated in robust plastic material. Our contactless cards offers excellent performance for thermal transfer printing.

Our transponder technology guarantees an outstanding R/O or R/W function.

The customized cards for special function also can be offered such as combi card and hybrid card etc.



13.56MHz



Mag.stripe & 13.56MHz



13.56MHz



Contact & Contactless

Technical specification

Product name	Contactless ISO Card
Product No.	
Material	PVC (PET / PC)
Lamination	Hot
Color	White / White Glossy
Magnetic stripe	Different kinds of HICO or LOCO magnetic stripe available on request
Printability	Excellent for thermal transfer printer or offset printing for personalization
Size	85.60mm (L) × 53.98mm (W)
Thickness	0.80mm ± 0.04mm
Operating frequency	13.56MHz
ISO standard	14443 Type A/B, 15693 (13.56MHz)
Operating temperature range	-20°C ~ +60°C(PVC) / -4°F ~ +140°F -20°C ~ +80°C(PET) / -4°F ~ +158°F -20°C ~ +80°C(PC) / -4°F ~ +194°F
Humidity	Suitable for indoor and outdoor using
Dirt, Dust, Water	Resistant available on request
Chip technology	Mifare series, Ultralight, I-Code, DESFire, Legic, TI ST, others on request
Encoding	Available on request
Special function	Combi card or Hybrid card available on request

Printing and related Services

Elko provides wide series printing and related services that are not only with excellent quality and low cost, but also quick and convenient for customers.

Printing

- ✦ 1-6 color offset printing
- ✦ Silk screen printing
- ✦ Thermal transfer, inkjet printing
- ✦ Magnetic stripe, signature panel
- ✦ Card number, Barcode printing
- ✦ Card number laser carving



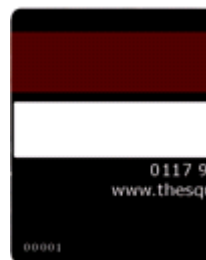
Metallic Color Printing

- ✦ Gold card silver card silk screen printing
- ✦ Other metallic color printing
- ✦ Full color on one side or part of one side
- ✦ Not only 1 side, but also 2 side available
- ✦ On request
- ✦ Magnetic stripe, signature panel
- ✦ Card number, Barcode printing
- ✦ Card number laser carding



Black card printing

- ✦ We offer black or dark color printing.
- The printing can be with magnetic stripe, signature panel, card number etc.



Part of black card



Preprinting card

Laser carving for card number

- ✦ In some case, card number by thermal transfer printing or inkjet printing can be erased by long time friction. Card number printing by laser can solve the problem



Laser printing



Barcode printing

Programming and document

Elko offer programming with document services according to customer's request.

Thermal Rewritable Card (Visual Card)

With the operation of thermal printer, the patent material on card surface can be written, erased, rewritten for a maximum of 500 times.

Advantage

- ✦ Visualized benefits
- ✦ Interactive promotion platform
- ✦ CRM implementation
- ✦ Induce repeat purchase
- ✦ Enhance company image



Applications

- ✦ Prepaid
- ✦ Bonus point
- ✦ Lucky draw
- ✦ Appointment
- ✦ Visitor
- ✦ Loyalty program
- ✦ Security access system
- ✦ Parking card



Printing method

- ✦ Thermal printing

Card type

- ✦ White leuco
- ✦ Output color after rewrite: Black/blue
- ✦ Silver
- ✦ Output color after rewrite: White

Elko 13.56MHz Contactless Printing Card Production



Antenna Embedding



Card Milling Hole



Offset Printing



Magnetic Stamping



Card Production Line



Ink Jet Printing