

Technical Specification: Contactless Smartcards



The e-Secure Technologies contactless, rewritable card will carry large volumes of transferable data. It is designed to enable card carriers, issuers and intermediaries to take advantage of the growing possibilities of electronic identification.

Compatible with e-Secure's range of reader/writer solutions, its usage is almost unlimited, with potential to benefit an enormous range of industries and markets.

Applications

- Access control
- Automatic fare collection
- Identification
- Airline ticketing
- Internet transactions

Features

- Superior quality, durability and performance
- Excellent matt or gloss surface finish for offset or die-sublimate printing
- HF version: 13.56 Mhz, read/write memory 384 bit or 8 kbit
- LF version: 125 kHz, FDX air interface, read/write memory 256 bit or 2 kbit
- Custom printing on request
- Laser engraving, embossing and magnetic stripe options

Mechanical Details

- Size: ID 1 (85.6 mm x 54 mm x 0.8 mm)
- Material: PVC, PC or ABS
- Finish: White matt or white gloss

Electrical Details

- Operating range: HF – LF up to 100 cm,
- Operating frequency: 13.56 MHz, 125 KHz
- Chip type: EM, Mifare, Hitag, Legic
- Memory size: From 64 bits read only to 8 kbits read/write
- Magnetic stripe: loco 300 Oe Hico 2700 – 4000 Oe

Contactless Smart Cards may be ordered in various sizes with virtually any chip on the market, any artwork and customized software applications.