

ISO Card 125kHz read-only

The ISO Smart Card is a contactless 125 kHz read-only RFID (Radio Frequency Identification) card developed by Elan group for access and time control applications. The cards are optionally available with HICO/LOCO magnetic strip and high quality double sided print.



Chip Type:

- 125kHz Read-only with 64 bit unique ID (Manchester coding)

Physical:

- Dimension: 54 mm x 86 mm (± 0.12 mm)
- Thickness: 0.8 mm (± 0.06 mm)
- Weight: 5.5 g (± 0.5 g)
- Material: PVC, white, glossy or matt

Electrical:

- Operating frequency: 125 kHz (± 6 kHz)

Mechanical:

- The card is designed to resist stress known from access control applications.

Thermal:

- Operating temperature: -20°C to +50°C

Optional:

- Magnetic strip HICO and LOCO
- Printing of pictures and unique ID

Part Number:

- EM-ISC-01S-xxxx (Recommended for thermal print.)
- EM-ISC-01L-xxxx (Recommended for lamination print.)
- Explanation for xxxx suffix:
 - surface: G - glossy, M - matt
 - antenna shape: AS - square, AC - circle
 - magnetic strip: M1 - HICO 2750 0e, M2 - LOCO 650 0e,
 - optional: ID for printed unique ID
 - example: EM-ISC-01L-MACM1 - matt blank card with circle antenna and HICO 2750 0e
- For customized cards with printing special part number are given according to the order

FOR ACCESS AND TIME CONTROL APPLICATIONS

This specification is subject to change without prior notice. Any additional requirement for a specific customer application has to be validated by the customer himself at his own responsibility. Disclaimer: Elan Microelectronic Corporation's products are not authorized to use as critical components in life support devices or systems where product failure may lead to injury, death, environmental or property damage. Liability for use in such applications is the responsibility of the system designers. Malfunctioning tags will be replaced if the failure occurred before attaching to the object carrier.