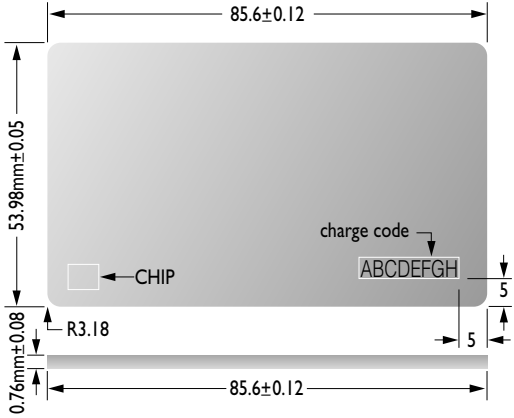




**EN:** This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at [www.hestore.hu](http://www.hestore.hu).

# EM ISO CARD



## FEATRUES

- 1. Type:contactless passive
- 2. Material:PVC
- 3. IC Chip:EM4102/GK4001
- 4. ISO Standard:ISO/IEC 10536
- 5. Reading distance:within 20cm(this ist dependent on antenna geometry)
- 6. Operating Frequency:100~150KHz
- 7. Dimensions:85.6mm±0.12x53.98mm±0.05x0.76±0.08mm
- 8. Operating Temperature:-20~+50°C
- 9. Storage Temperature:-20~+50°C
- 10.Humidity:up to 90% (non-condensing)
- 11.Surface Finish:Gloss / Matt
- 12.Antenna:copper coil
- 13.Magnetic stripe Coercivity :650oe(JIS),300oe(LoCo), 2750oe(HiCo)

## POSITION OF MAGNETIC STRIPE

### Jis Magnetic stripe:

- Ext edge A 6.4mm (max.) • Int edge B 11.6mm(min.)
- Coercivity (oersteds)650oe

### Other Magnetic stripe:

- Ext edge A 5.54mm(max.) • Int edge C 15.8mm(min.)
- Coercivity(oersteds)300oe(LoCo),2750oe(HiCo)

# CONTACTLESS CARD SPECIFICATION

| Model No.                               | ISO Card                             | Imm ISO Card                       | Clamshell Card                       |
|-----------------------------------------|--------------------------------------|------------------------------------|--------------------------------------|
| Reading Distance                        | 80mm                                 | 100mm                              | 160mm                                |
| Base on GK4001 chip, with EM9917 Reader |                                      |                                    |                                      |
| Operating temperature                   | -20°C to 50°C                        | -20°C to 50°C                      | -20°C to 70°C                        |
| Storage temperature                     | -20°C to 50°C                        | -20°C to 50°C                      | -40°C to 80°C                        |
| Material                                | PVC/PET                              | PVC                                | ABS                                  |
| Operating Frequency                     | 125KHz / 13.56MHz                    | 125KHz                             | 125KHz / 13.56MHz                    |
| Antenna                                 | Copper Coil                          | Copper Coil                        | Copper Coil                          |
| Dimensions                              | 85.6mm+0.12x53.98mm+0.05x0.76mm+0.08 | 85.6mm+0.12x53.98mm+0.05x10mm+0.08 | 85.6mm+0.12x53.98mm+0.05x1.84mm+0.04 |
| Technology                              |                                      |                                    |                                      |
| GK4001 (125KHz, 64bit, R/O)             | Y                                    | Y                                  | Y                                    |
| EM4102 (125KHz, 64bit, R/O)             | Y                                    | Y                                  | Y                                    |
| I-Code SLI (13.56MHz, 1024bit, R/W)     | Y                                    | Y                                  | Y                                    |
| Mifare S50 (13.56MHz, 1KByte, R/W)      | Y                                    | Y                                  | Y                                    |
| Temic E5557 (125KHz, 330bit, R/W)       | Y                                    | Y                                  | Y                                    |
| Hitag 1 (125KHz, 2048bit, R/W)          | Y                                    | Y                                  | Y                                    |
| Hitag 2 (125KHz, 256bit, R/W)           | Y                                    | Y                                  | Y                                    |
| Legic 256 (13.56MHz, 256Byte, R/W)      | Y                                    | Y                                  | Y                                    |

**Application:** Door Access Control, Burglar Prevention, Patrol Management,Personal Identification, Car Park Control, Member Club Management, etc.

# ISO CARD

## FEATRUES

- 1. Type:contactless passive
- 2. Material:PVC / PET
- 3. IC Chip:By customer
- 4. ISO Standard:ISO/IEC 10536
- 5. Reading distance: this ist dependent on antenna geometry & chip Features
- 6. Operating Frequency:125K,13.56MHz system
- 7. Dimensions:85.6mm±0.12x53.98mm±0.05x0.76±0.08mm
- 8. Operating Temperature: -20~+50°C
- 9. Storage Temperature: -20~+50°C
- 10.Humidity:up to 90% (non-condensing)
- 11.Surface Finish: Gloss / Matt
- 12.Antenna:copper coil
- 13.Magnetic stripe Coercivity(Optional):300oe(LoCo), 650oe(JIS),2750oe(HiCo)

## POSITION OF MAGNETIC STRIPE

### Jis Magnetic stripe:

- Ext edge A 6.4mm(max.) • Int edge B 11.6mm(min.)
- Coercivity(oersteds)650oe

### Other Magnetic stripe:

- Ext edge A 5.54mm(max.) • Int edge C 15.8mm(min.)
- Coercivity(oersteds) 300oe(LoCo),2750oe(HiCo)

## POSITION OF PUNCH(OPTIONAL)

### Position of punch mark1

- Ext edge D 35.30mm(max.) Int edge E 50.30mm(min.)
- Ext edge F 4.00mm(max.) Int edge G 7.50mm(min.)

### Position of punch mark 2

- Ext edge H 19.50mm(max.) Int edge I 34.50mm(min.)
- Ext edge J 4.00mm(max.) Int edge K 7.50mm(min.)
- Mark dimension A 8.00mm±0.50 B 1.50mm±0.50

### Position of punch mark 3

- Horizontal L 42.80mm±0.50 Vertical M 5.0mm±0.50

### Position of punch mark 4

- Horizontal O 5.00mm±0.50 Vertical P 27.00mm±0.50