

Features

Read/write Functionality for Multi-functional Memory Applications

iCLASS® was specifically designed to make access control more powerful, more versatile, and more secure. All radio frequency data transmission between the key and reader is encrypted using a secure algorithm. By using industry standard encryption techniques, iCLASS reduces the risk of compromised data or duplicated keys. Multiple securely separated application areas are each protected by 64-bit diversified read/write keys which allow complex applications and provide for future expansion.

Security mechanisms such as mutual authentication and encryption are efficiently combined with fast processing and data communication, resulting in transaction times of less than 100 milliseconds for a typical secure e-purse transaction.

Proven, Reliable Technology

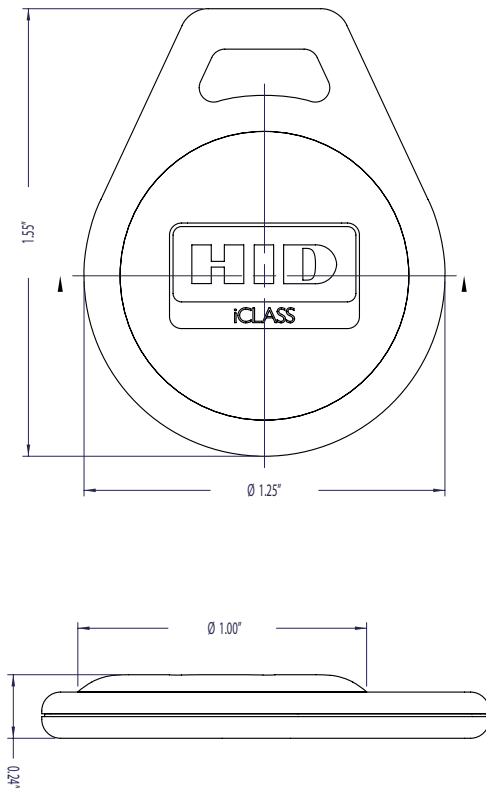
Offers extremely consistent read range. Unaffected by body shielding or variable environmental conditions.

Small and Convenient

Can be carried with keys in pocket, handbag, or clipped on a lanyard.

Long Life

Passive, no-battery design allows for an estimated minimum 100,000 reads.



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| Base Part Number | 2050, 2051, 2052, 2053, 2054 |
| Description | RF-programmable, 13.56 kHz, black with blue insert, customer-specified ID Numbers. |
| *Typical Maximum Read Range | R10 2" (5.1 cm) RP15 1 3/4" (4.6 cm) R30/RW300 2 1/4" (5.9 cm) R40/RW400 2 3/4" (7.0 cm) RK40/RWK400 2" (5.1 cm) RP40 2 1/2" (6.6 cm) |
| Dimensions | 1.555 x 1.25 x 0.235 inches max (3.95 x 3.18 x 0.60 cm) |
| Key Fob Construction | Ultrasonically welded ABS Shell with TPE insert |
| Operating Temperature | -50° to 160° F (-45° to 70° C) |
| Weight | 0.14 oz (4.0g) |
| Memory Size/ Application Areas | 2k bit (256 Byte) key – 2 application areas 16k bit (2k Byte) key – 2 or 16 application areas 32k bit (4k Byte) card – 16k bits in 2 or 16 application areas plus 16k bit user configurable. |
| HID Proximity 125 kHz | No |
| Contact Smart Chip Module Embeddable | No |
| Wiegand Stripe | No |
| Magnetic Stripe | No |
| Printable | No |
| Standard HID Artwork | Yes |
| Slot Punch | Key Ring Hole |
| Visual Security Options | N/A |
| Additional Security Options | Corporate 1000 |
| Warranty | Lifetime |
| Options | Key Ring sold separately (Part Number: 57-0001-02) External card numbering (inkjet or laser engraving). |

*Dependent upon installation conditions. Tested using Rev "C" readers.