



## Identiv Smart Cards

NXP MIFARE® Classic™ 256B, 1KB, or 4K

The NXP MIFARE Classic™ family covers contactless smart card ICs used for education, public transportation, access control, customer loyalty schemes, and more. MIFARE Classic is based on ISO/IEC 14443 Type A, available with 320 Bytes (commonly called MIFARE Mini), 1K Bytes or 4K Bytes memory, and 7 Bytes or 4 Bytes identifiers.

Our MIFARE Classic cards are manufactured with a glossy-white, print-quality PVC and/or composite (PET/PVC) material to support your imaging requirements.

### Product Details

Identiv Smart Cards utilize the market's most popular smart card standards and can be used with unique ID (UID) or encoded in numerous Wiegand data formats. Please reference the Identiv Credential Ordering Guide for more information.

| FACT SHEET                          |  |
|-------------------------------------|--|
| Model Numbers                       | <p>MIFARE Mini:<br/>3510 (320 Bytes — mini composite card)</p> <p>MIFARE Classic (EV1) 1K Bytes:<br/>4100 (Clamshell)<br/>4110 (ISO PVC card)<br/>4130 (ISO PVC with magnetic stripe)<br/>4132 (ISO composite card with magnetic stripe)<br/>4182 (Teardrop shape keyfob)<br/>4197 (Wristband 60 mm diameter)<br/>4310 (Dual-frequency ISO composite card with proximity 125 KHz)</p> <p>MIFARE Classic (EV1) 4K Bytes:<br/>4142 (ISO composite card)<br/>4146 (ISO composite card with magnetic stripe)<br/>4313 (Dual-frequency composite card with proximity 125 KHz)</p> |
| IC Technology                       | ISO/IEC 14443A 1 - 3 compliant MIFARE Classic chip; passive RFID 13.56MHz  |
| Contactless UID (Unique Identifier) | 4 Bytes non-random UID (NUID) or 7 Bytes. All products presented in this document are with 4B UID except MIFARE Mini. For credentials with 7B, contact Identiv for exact part numbers.   |
| Storage Life                        | Desiccated condition (15°C~25°C, 40~60%RH) 2 Years   |
| Operating Temperature               | PVC (-20°C to 70°C, 40 - 60% RH); Composite (-45°C to 70°C, 40 - 60% RH)   |
| Read and Write Operation            | 320, 1K Bytes, or 4K Bytes EEPROM with fast programming; Communication speed 106 kbit/s; Anti-collision support; Memory arranged in five 64-byte sectors (320 bytes), 16 64-byte sectors (1K), or arranged in 40 sectors: 32 sectors of 64 bytes , 8 sectors of 256 bytes (4K memory); Available with 7 byte unique identifier (7B UID) or 4 byte non-unique identifier (4B NUID)  |
| Endurance (Write Cycles)            | 100,000  |
| Data Retention                      | 10 years   |
| Options                             | Blank White or Custom Artwork; High Coercivity Magnetic Stripe; Slot Punch; Custom Encoding (additional charges apply)   |

## Ordering Information

| SPECIFICATIONS                  |  |  |  |  |
|---------------------------------|--|--|--|--|
| <b>Credential Form Factor</b>   | Clamshell  | ISO Card (PVC/Composite) with Mag Stripe Option                                    | Key Fob  | Wristband  |
| <b>Dimensions</b>               | 3.385 x 2.125 x 0.075 in<br>(86 x 54 x 1.9 mm)                                     | 3.37 x 2.125 x 0.033 in<br>(85.6 x 54 x 0.84 mm)                                   | 2.18 x 1.23 x 0.32 in<br>(55.4 x 31.2 x 8.13 mm)                                     | Semi circle top head:<br>25mm (0.98 in)/50mm long (1.97 in)                          |
| <b>Weight</b>                   | 0.317 oz<br>(8.9 g)  | 0.212 oz<br>(6 g)  | 0.15 oz<br>(4.3 g)   | 0.388 oz<br>(11 g)   |
| <b>Read Range**</b>             | Up to 5 in<br>(127 mm)   |  | Up to 2.5 in<br>(63.5 mm)  | Up to 2.4 in<br>(61 mm)  |
| <b>Slot Punch</b>               | Vertical   | Vertical or Horizontal   | Key Hole Ring  | None   |
| <b>Operating Temperature</b>    | -49° to 158° F<br>(-45° to 70° C)  |  |  | -22° to 428° F<br>(-30° to 220° C)   |
| <b>Material</b>                 | Hard Shell: ABS Cover<br>Label: PVC  | PVC or Composite   | ABS Plastic  | Silicone   |
| <b>Identiv Part Numbers</b>     | 4100   | 3510, 4110, 4130, 4132,<br>4310, 4142, 4146, 4313                                  | 4182   | 4197 (60 mm)   |
| <b>HID® Part Number</b>         | -  | 1430, 1436, 1440, 1446   | 1434   | -  |
| <b>XCEED ID/IR® Part Number</b> | -  | 9551, 9558, 9551M1,<br>9558M1  | 9651   | -  |
| <b>Product</b>                  |  |  |  |  |

\*Read range is dependent on installation environment and reader tuning.

Identiv, Inc. (NASDAQ: INVE) is a global provider of physical security and secure identification. Identiv's products, software, systems, and services address the markets for physical and logical access control and a wide range of RFID-enabled applications. Customers in the government, enterprise, consumer, education, healthcare, and transportation sectors rely on Identiv's access and identification solutions. Identiv's mission is to secure the connected physical world: from perimeter to desktop access, and from the world of physical things to the Internet of Everything.

Identiv has offices worldwide. Addresses and phone numbers are listed at [identiv.com/contact](http://identiv.com/contact). For more information, visit [identiv.com](http://identiv.com) or email [sales@identiv.com](mailto:sales@identiv.com).

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