Thales Gemalto
MRZ Swipe Reader CR100

Product Use
The Thales Gemalto MRZ Swipe Reader CR100 acquires the codeline data from Machine Readable Travel Documents (MRTDs) and other identity documents. Key benefits are:

- Small size
- Fast and accurate data capture
- Easy to use either left or right handed
- Desk mount or Keyboard/LCD/ laptop attachment using double sided fasteners
- Bespoke bracket mount options for shelves and mobile devices
- Applicable to banking, border control, law enforcement, transportation, hotel, car hire and retail markets
- Perfect for registration, enrollment and duty-free applications

Reading Capability

- 2 and 3 line ICAO compliant documents in near infrared (IR) 875nm per ICAO 9303 specification
- Near ICAO compliant travel documents such as French ID cards
- 1 line driving licenses to ISO 18013 as well as many other non-ICAO 1 line ID cards
- For information on reading other document types (e.g. bankers cheques) contact your sales representative

Comprehensive Software Development Kit

- SDK provides reader configuration application
- SDK includes DLLs and demonstration programs. Can be used with Visual C++®, Java® and Microsoft® .NET Framework for Visual Basic® .NET and Visual C#®
Minimum PC Specifications

Software must be installed on a customer-supplied PC, some aspects of read speed may be affected by PC specification. The following minimum configuration is recommended:

- 2 GHz Pentium® 4 CPU (Intel Core 2 Duo recommended)
- 1 GB DRAM
- USB 2.0
- 60 MB of Hard Drive space for software
- Windows® 7, Windows® 8.1 or Windows® 10 operating systems, 32 or 64 bit
- Builds for Ubuntu and CentOS LTS, 32 & 64 bit
- Android (limited SDK functionality)

Regulatory

- UL and UL-C
- CB report
- FCC Part 15 Class A
- CE - EMC & LVD
- EU WEEE, REACH & RoHS directives

Power

- USB powered, <400mA peak

Status Indicators

- The Gemalto MRZ Swipe Reader CR100 provides user feedback via a user LED including power / self test indication. Status indicators can be under host control depending on control program loaded

Configuration

- Configurable via USB interface
- Non-volatile configuration held in reader
- Firmware can be updated in field
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Identity & Biometric Solutions

Operating Environment
- Operating Humidity: 40 to 90% (R.H. non-condensing)
- Operating Temperature: 5 ºC to 35 ºC (41 ºF to 95 ºF)
- Storage Humidity: 40 to 95% (R.H. non-condensing)
- Storage Temperature: -10 º to 60 ºC (14 ºF to 140 ºF)

Models
- CR100 with 15cm cable
- CR100 with 200cm cable
- CR100 with 15cm cable and desk mount
- CR100 with 200cm cable and desk mount
- CR100 with 14cm cable R/A connector
- CR100 OEM kit (read head, glass and cable)
### Thales Gemalto

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**Identity & Biometric Solutions**

**Standard Dimensions (Approx)**

<table>
<thead>
<tr>
<th></th>
<th>Basic module</th>
<th>With Desk Mount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>9.6 cm (3.8”)</td>
<td>11.2 cm (4.4”)</td>
</tr>
<tr>
<td>Width</td>
<td>3.3 cm (1.3”)</td>
<td>4.8 cm (1.9”)</td>
</tr>
<tr>
<td>Height</td>
<td>4.7 cm (1.8”)</td>
<td>5.2 cm (2.0”)</td>
</tr>
<tr>
<td>Weight</td>
<td>110 g or 4 oz</td>
<td>150 g or 5.3 oz</td>
</tr>
</tbody>
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