Product Use
The Gemalto MRZ and MSR Swipe Reader CR100M acquires the
codeline data from Machine Readable Travel Documents (MRTDs)
and other identity documents and reads the magnetic stripe from
ISO standard cards such as frequent flyer cards, driver’s licences and
employee ID cards. Key benefits are:
- 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
- 3 track magnetic swipe card conforming to ISO 7811/2-5 including
AAMWA

Comprehensive Software Development Kit
- SDK provides reader configuration application
- SDK includes DLLs, AAAMVA parser and demonstration programs.
Can be used with Visual C++®, Java® and Microsoft® .NET framework
for Visual Basic®.NET and Visual C#®

Power
- USB powered, <400mA peak

Status Indicators
- The Gemalto MRZ and MSR Swipe Reader CR100M provides user
feedback via a user LED including power / self test indication. Status
indicators can be under host control depending on control program
loaded
Gemalto MRZ and MSR Swipe Reader CR100M

Identity & Biometric Solutions

Configuration
• Configurable via USB interface
• Non-volatile configuration held in reader
• Firmware can be updated in field

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)

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
• CR100M with 15cm cable
• CR100M with 200cm cable
• CR100M with 15cm cable and desk mount
• CR100M with 200cm cable and desk mount
• CR100M OEM kit (read heads, glass and cable)

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>11.7 cm (4.6&quot;)</td>
<td>13.3 cm (5.2&quot;)</td>
</tr>
<tr>
<td>Width</td>
<td>4.0 cm (1.6&quot;)</td>
<td>5.6 cm (2.2&quot;)</td>
</tr>
<tr>
<td>Height</td>
<td>4.8 cm (1.9&quot;)</td>
<td>5.2 cm (2.0&quot;)</td>
</tr>
<tr>
<td>Weight</td>
<td>120 g (4.3 oz)</td>
<td>160 g (5.7 oz)</td>
</tr>
</tbody>
</table>

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

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