TECHNICAL DATA SHEET

Gemalto MRZ Swipe Reader CR100

Product Use
The 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 Parts 1-4
> 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#

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

KEY FEATURES AND FUNCTIONALITY

> USB2.0 output
> USB powered (no power supply), single interface cable (2m or 15cm options at time of purchase)
> B900 infra red illumination
> Bi-directional swiping
> Desktop mount for stable, non-slip swiping (optional, user installable)
> Can be attached to a keyboard, LCD or other device/mounting using 3M™ Dual Lock™ fasteners
> Windows® 7, Windows® 8.1, Windows® 10, Android and Linux® compatible
> Cable exit points are user changeable
> Read success is shown using a red, green, blue LED indicator
> Customer can design bespoke brackets, using dual screw fixing
> VCOMM interface for RTE6701 compatibility (other interfaces available, contact your sales representative)
> OEM and integrators options available
Gemalto MRZ Swipe Reader CR100

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 16.04 and CentOS 6, 32 & 64 bit
> Android (limited SDK functionality)

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)

Regulatory
> UL and UL - C, CB report
> FCC and CE (EMC)
> EU WEEE/REACH/RoHS

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)

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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