

TECHNICAL DATA SHEET

# Gemalto MRZ Swipe Reader CR100



## 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

## 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

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## 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)

## 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 °C to 35 °C (41 °F to 95 °F)

- > Storage Humidity: 40 to 95% (R.H. non-condensing)
- > Storage Temperature: -10 ° to 60 °C (14 °F to 140 °F)

## 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)

## Standard Dimensions (Approx)

	Basic module	With Desk Mount
<b>Length:</b>	9.6 cm (3.8")	11.2 cm (4.4")
<b>Width:</b>	3.3 cm (1.3")	4.8 cm (1.9")
<b>Height:</b>	4.7 cm (1.8")	5.2 cm (2.0")
<b>Weight:</b>	110 g or 4 oz	150 g or 5.3 oz

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