

# Thales Gemalto MRZ Swipe Reader CR100

## Identity & Biometric Solutions



## 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#®

# Thales Gemalto MRZ Swipe Reader CR100

## Identity & Biometric Solutions

### KEY FEATURES AND FUNCTIONALITY

- USB 2.0 output
- USB powered (no power supply), single interface cable (2m or 1.5m options at time of purchase)
- ICAO compliant 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
- VESA monitor mount (option)
- OEM and integrators options available

### 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

### 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 & IVD
- EU WEEE, REACH & RoHS directives



# Thales Gemalto MRZ Swipe Reader CR100

---

## Identity & Biometric Solutions

### 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)



# Thales Gemalto MRZ Swipe Reader CR100

## Identity & Biometric Solutions





### 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



Microsoft, Windows, Windows Vista, Visual C++, Visual C# and Visual Basic are registered trademarks of Microsoft Corporation in the United States and other countries. Java is a registered trademark of Oracle and/or its affiliates. Pentium, Celeron and Intel are trademarks of Intel Corporation in the U.S. and/or other countries. Ubuntu is a registered trademark of Canonical Ltd. Linux is a registered trademark of Linus Torvalds. 3M and Dual Lock are trademarks of 3M Company. Android is a trademark of Google LLC.

This specification is subject to change without notice.

> [Thalesgroup.com](https://www.thalesgroup.com) <    

<https://www.thalesgroup.com/en/markets/digital-identity-and-security/government/document-readers/cr100>