THALES

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#®

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KEY FEATURES AND FUNCTIONALITY

- USB 2.0 output

- USB powered (no power supply), single interface cable (2m or 15cm 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

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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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)

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Standard Dimensions (Approx)

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

This specification is subject to change without notice.

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