Gemalto

CR100M

MRZ & MSR Swipe Reader CR100M

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 banking 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, enrolment and duty-free applications

FEATURES AND FUNCTIONALITY

> USB 2.0 output
> USB powered (no power supply), single interface cable (2m or 15cm options at time of purchase)
> Can be attached to a keyboard, LCD or other device/mounting using 3M™ Ducal Lock™ fasteners
> Bi-directional swiping
> Read success is shown using an RGB LED indicator
> Customer can design bespoke brackets, using dual screw fixing
> MSR reading of frequent flyer, driving licenses and similar documents

> B900 infrared illumination
> Desktop mount for stable, non-slip swiping (optional, user installable)
> Windows® XP, Windows Vista®, Windows® 7 and Linux® compatible
> Cable exit points are user chargeable
> OEM and integrators options available
> VCOMM interface for RTE6701 compatibility (other interfaces available)

 Hemisphere West Europe — PAYMENT SPECIALISTS

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SPECIFICATION

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
3 track magnetic swipe card conforming to ISO 7811/2-5 including AAMVA
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 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

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
> Android (limited SDK functionality)

> Windows® XP SP3, Windows Vista® or Windows® 7 operating systems, 32 or 64 bit
> 60 MB of Hard Drive space for software
> Builds for Ubuntu 16.04 and CentOS 6, 32 & 64 bit

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)

Regulatory

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

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 head, glass and cable)

Dimensions

	Basic module	With Desk Mount
Length:	11.7cm	13.3cm
Width:	4.0cm	5.6cm
Height:	4.8cm	5.2cm
Weight:	120g or 4.3 oz	160g or 5.7oz

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