

Date Issued

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Product Use



The 3M™ CR100M OCR/MSR 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:

- Small size
- Desk top mount, 3M™ Dual Lock™ fasteners for LCD/laptop attachment or bespoke bracket mount options for shelves and PDAs
- Applicable to banking, border control, law enforcement, transportation, hotel, car hire and retail markets

Key Features & Functionality

- USB2.0 output
- USB powered (no power supply), single interface cable (2m or 15cm options at time of purchase)
- B900 infra red illumination for ICAO compliance
- MSR reading of frequent flyer, driving licences and similar documents
- Bi-directional swiping
- Desktop mount for stable, non-slip swiping (optional, user installable)
- Can be attached to an LCD or other device/mounting using 3M™ Dual Lock™
- VCOMM interface for 3M™ RTE6700 Multi-Function Document Reader compatibility (other interfaces available, contact your local 3M sales office)
- Windows® 2000 SP4, XP SP3 and Vista® compatible, Windows® 7 tested
- Cable exit points are user changeable
- Customer can design bespoke brackets, using dual screw fixing

Reading Capability

- All 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
- For information on reading other document types (eg bankers cheques) contact your local 3M sales office
- 3 track magnetic swipe card conforming to ISO 7811/2-5 including AAMVA

Comprehensive Software Development Kit

- SDK provides reader configuration application
- SDK includes DLLs and demonstration programs. Support for MS Visual C++® and C#/Visual Basic.NET®, Borland C++ Builder®, Java

Power

- USB powered, <400mA peak

Status Indicators

- The 3M™ CR100M OCR/MSR Document Reader 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

Minimum PC Specifications

- Software must be installed on a customer-supplied PC:
- 1.7 GHz Pentium 4, 512 Mb DRAM
 - USB 1.1 port available
 - 50 Mb of Hard Drive space for software
 - Windows® 2000 SP4, XP SP3 or Windows Vista® 32 bit editions
 - Windows® 7 compliant
 - Windows 64 bit drivers available in beta release

Technical Data Sheet

3M™ CR100M OCR/MSR Document Reader

Compliance	<p>All compliances are in progress and not completed yet.</p> <ul style="list-style-type: none"> • UL and UL-C, CB report • FCC and CE (EMC) • WEEE/REACH/RoHS¹ 	
Operating Environment	<ul style="list-style-type: none"> • 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) 	
Models	<ul style="list-style-type: none"> • CR100M with 15cm cable • CR100M with 200cm cable • CR100M with 15cm cable and desk mount • CR100M with 200cm cable and desk mount 	
Standard Dimensions (Approx)	Basic module	With Desk Mount
	Length: 11.7 cm (4.6")	13.3 cm (5.2")
	Width: 4.0 cm (1.6")	5.6 cm (2.2")
	Height: 4.8 cm (1.9")	5.2 cm (2.0")
	Weight: 120 g (4.3 oz)	160 g (5.7 oz)

¹ RoHS compliant means that the product or part does not contain any of the following substances in excess of the maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS, as amended: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. This information represents 3M's knowledge and belief, which may be based on information provided by third party suppliers to 3M

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