3M™ CR100 Document Reader

Date Issued	Rev B3 October 2011
Product Use	The 3M™ CR100 Document Reader acquires the codeline data from Machine Readable Travel Documents (MRTDs) and other identity documents. 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 • 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™ fasteners • VCOMM interface for 3M™ RTE6701 compatibility (other interfaces available, contact your local 3M sales office) • Windows® XP SP3 and Windows Vista® compatible, Windows® 7 • Cable exit points are user changeable • Customer can design bespoke brackets, using dual screw fixing
Reading Capability	• 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 (e.g. bankers cheques) contact your local 3M sales office

3M SECURITY SYSTEMS

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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™ CR100 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 2.0 port available • 50 Mb of Hard Drive space for software • Windows® XP SP3 or Windows Vista® 32 bit editions • Windows® 7 • Windows® 64 bit drivers
Regulatory	• UL and UL-C, CB report • FCC and CE (EMC) • WEEE/REACH/RoHS[1]
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)
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

Technical Data Sheet

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

[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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