Thales MRZ Swipe Reader
CR100

Thales MRZ Swipe Reader CR100

Identity & Biometrics Solutions

The Thales MRZ Swipe Reader CR100 acquires the codeline data from Machine Readable Travel Documents (MRTDs) and other identity documents.

Ergonomic design

The design of the Thales MRZ Swipe Reader CR100 is based on detailed and exhaustive analysis of field experience and numerous deployed projects. Small in size, the reader requires very little desk space which makes it efficient and easily adaptable. The intuitiveness of the CR100 resides in the left or right hand-swipe operation in either direction, which requires minimal operator training.

The Swipe Reader CR100 thus improves registration processes and connects to most business applications, allowing organisations to save time and be more cost-effective.

Key features

USB powered

Bi-directional swiping

OEM & integrators options available

Benefits

- 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
- Applicable to banking, border control, law enforcement, transportation, hotel, car hire and retail markets
- Perfect for registration, enrollment and duty-free applications

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#®

Fast, accurate data capture for many applications:

Retail
Age verification for controlled products; liqueur, cigarettes, firearms, pharmaceuticals, etc.

Financial
ID capture during registration for regulatory requirements, fraud prevention and ID theft.

Hotel, Hospitality and Gaming
Physical security & travel risk management to ISO 31030. VIP alerting, registration and cash management.

Law Enforcement
ID capture for quick and accurate inmate booking, courthouse security processing and correctional facility visitation.

Healthcare
ID capture for insurance validation, patient intake, admissions, and prescription drug pick-up.

Visitor Management
ID capture for educational, commercial, or corporate settings e.g. access control, time & attendance, VIP alerting.

Transportation and car leasing
ID capture for regulatory requirements, fraud prevention, access control and expedited service.

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	IMAGING
Illumination	Near IR B900: 880nm, +/-5%
Formats	BMP, PNG or JPEG format
	READING CAPABILITIES
Optical Character Recognition (OCR) reading	• 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
Bi-directional swiping	Yes
	MECHANICAL
Mounting options	• Desktop mount for stable, non-slip swiping • Can be attached to a keyboard, LCD or other device/ mounting
	ELECTRONICS
Power	Powered from a single USB 2.0 port: <400mA peak
Minimum PC specification	• 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® 10 or Windows 11® operating systems, 32 or 64 bit Builds for • Ubuntu and CentOS LTS, 32 & 64 bit • Android (limited SDK functionality)
	ENVIRONMENT
Temperature	Operating: 5° to 35° C (41° - 95° F); Storage: -10º to 60° C (14º -140° F)
Humidity	Operating: 40 to 90% (R.H. non-condensing) ; Storage: 40 to 95% (R.H. non-condensing)
	MAINTENANCE
Service & maintenance	• Two-year warranty • Extended agreement available
Firmware upgrade	Upgradeable firmware via USB interface Non-volatile memory for configuration and calibration held in reader
	CERTIFICATIONS
	FCC Part 15 Class A, CB report, UL UL-C, CE - RED, LVD & EMC, EU WEEE, REACDirectives H & RoHS Directives

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)

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