

TD14

Half-Page MRZ Reader for Passports, ID Cards and Contactless Cards



Connection type:  USB

Support System:   

Technology:  MRZ/OCR  Contact Smart Card  Contactless/RFID/NFC

The TD14 is a machine readable zone (MRZ) data reader with RFID functionality to simultaneously decode the contents of an E-Passport or contactless smart card. In addition, TD14 also has one built-in contact smart card reader, which supports reading ISO7816 protocol contact smart card. The TD14 automatically detects when a document with machine readable data has been inserted, and its advanced recognition engine provides highly accurate and instant data capture and decoding.

Features:

The compact, robust design enables easy integration into kiosk, automat, vending machine and gates etc, or use as a desktop device. TD14 can read all e-passports and ICAO9303-compliant identity documents, such as national ID cards, driving licenses, residence permits, etc...

Benefits:

TD14 half-page multifunctional e-passport reader, by integrating a contactless/RFID reader, the device simultaneously and efficiently capture and process data fields from the chip, including the image of the holder. This combined capability provides a powerful and cost-effective alternative to full-page, multi-illumination passport readers.

Markets:

Any place where complete datapage scan is not needed and ease of use is required: Police identification, Airport check-in, Self service terminals, Border control, Hotels, Banks, Car rental companies, ...

Customers:

Public and private companies requiring automatic identity verification.

Integrators or third parties in need of adding ID document reading functions onto kiosks, terminals, etc

Product Range:

Model/Function	TD14-OCR	TD14
MRZ/OCR Scanner	✓	✓
Contact Smart Card Reader	✓	✓
Contactless/RFID/NFC Reader		✓

TD14 Document Reader

Parameter	Details
MRZ/OCR reading	
Supported Font	OCR-B
Supported Standards	• ICAO 9303 specification Parts 1-4
Supported Documents	• 3 lines MRZ - ID1: eID, Resident Permit... • 2 lines MRZ - ID3: Passport, Visa... - ID2: ID Card... • 1 line MRZ - ID1: Driving Licence...
Contact Smart Card reading	
Supported Standards	ISO/IEC 7816 Part 1 to 4; T=0, T=1
Supported Card Types	5V, 3V and 1.8V, ISO/IEC 7816 Class A/B/C
Card Size	ID-1
Smart Card Interface Speed	• Up to 600 kbps (depending on card) • TA1=97
Communication	Compliant with CCID and PC/SC standards



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TD14 Document Reader

Contactless/RFID/NFC reading

Supported Standards	ISO/IEC 14443, ISO/IEC 18092
Supported Card ICs	MIFARE® Classic Family, MIFARE Ultralight Family, MIFARE Plus Family, MIFARE DESFire Family, FeliCa™, NFC Forum Tag Types 1/2/3/4
Data Transfer Rate	106/212/424/848 kbits/s, depending on card IC
Communication	Compliant with CCID and PC/SC standards

General

Host Interface	USB 2.0 CCID (USB 1.1/3.0 compliant)
Communication	12 Mbps (USB 2.0 full speed)
Power Supply	Bus-powered USB
Connector	1.5m USB cable with USB type C connector
Dimensions(L*W*H)	176.5*140.6*28.8 mm
Weight	300g
Status Indicator	3 LEDs
Body	Black, ABS
Temperature	• In operation: 0°C to 50°C • Storage: -40°C to 80°C
Humidity	0-95% non-condensing
Host operating systems	Windows, Linux, Android



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