



Passports Half-Page MRZ Reader PPR100 Plus

General

The PPR100 Plus is a half-page machine-readable zone (MRZ) data reader with RFID functionality, to simultaneously decode the contents of an ePassport or contactless smart card. The PPR100 Plus 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

- e-Passport MRZ and chip reading are carried out simultaneously
- High-speed recognition engine for instant detection/reading
- Thin design for easy device embedding
- Reads MRZ from ICAO 9303 compliant documents
- Option for ISO 14443 reader/writer supports ICAO LDS standards, including BAC, PA, AA, EAC and SAC

Specification

Reading Capabilities	
OCR(optical character recognition)	ICAO compliant travel documents in near infrared (IR) per ICAO 9303 specification Parts 1-4 (2- and 3-line MRZ)
	Near ICAO compliant travel documents (e.g. French ID)
	ISO-18013 driving licences (1-line MRZ)
	Active scan area: (123 x 20 mm)
Contactless Card	Illumination source: NearIR B900, 860nm
	Interoperability: ICAO DOC 9303, LDS1.7, ISO18013 (Driving Licence), PA, AA, BAC, EAC
	Operating frequency: 13.56 MHz
	Supported documents: ISO 14443 type A & B auto-detecting; secure and high-speed data transmission; Mifare memory card support (Mifare ultralight, 1K, 4K cards)
Contact Card	App. interface: PC/SC compliant device
	Supported Card Types: 1.8V, 3V and 5V, ISO/IEC7816 Class A/B/C
	Smart Card Interface Speed: Up to 600 kbps, TA1=97
	Smart Card Clock Frequency: Operates up to 16MHz
	Card present switch, Automatic power on/off, Short circuit protection
	ISO/IEC7816, T=0 and T=1 protocol, Class A, B, C cards
	Support Extended APDU length
Electronic	
Power Supply	Input voltage: +5VDC via Type C

	Cable: Detachable host cable
Communications& Host	USB 2.0 high speed
	Windows 7 and above, Win 32/64 bit; Pentium-4 3GHz and 2GB RAM min
Physical	
Dimensions	176.5*140.6*28.8mm
Body	ABS
Weight	300g
Environmental	
Temperature	Operating 32°F to 122°F (0°C to 50°C)
Storage	-4°F to 140°F (-20°C to 60°C)
Humidity	0-95% non-condensing

Application

- Border control and immigration
- Kiosks and self-service auto eGates
- Hotels and car rental registration
- Document issuance (passport, visa, etc.)
- Airport passenger data
- Identification verificationg

Picture

