



RTE6510 – Passport Quality Assurance Reader

# RTE6510 – Quality Assurance Reader

The RTE6510 is a quality assurance reader designed to read and verify OCRB codelines printed on machine readable travel documents conforming to International Civil Aviation Organisation (ICAO) Document 9303.

The reader is used during the production of machine readable passports, visas and travel cards. Once the document has been printed it is read using the RTE6510 reader which provides a full analysis of the printed OCRB codeline(s), thus ensuring that all issued documents will meet the exacting quality standards for travel documents set out in ICAO Document 9303.

The RTE6510 QA reader provides the host computer system with the following information; the codeline data, global analysis and line by line analysis. The global analysis includes the number of codelines read, the number of character columns, verification of the clear area around the codeline and details of any accidental marks or spots in the machine readable zone. The line by line analysis then gives the number of characters, the number of unrecognisable characters, the number of segmented characters, the vertical position of the codeline and details about stroke widths.

The RTE6510 captures the OCRB codelines in a single hand swipe of the document through the reader. The fast read algorithm is extremely tolerant of varying swipe rates and is unaffected by the security laminate used on passports, visas and travel cards. The captured data is transmitted to the host system with no further operator intervention. The compact design and small footprint make the RTE6510 ideal for desktop areas and an optional desk stand ensures it can be placed for maximum ease of use.

Operator training is minimal and, with no moving parts, the RTE6510 is virtually maintenance free.

## FEATURES

- Reads passports, visas, travel cards using OCRB and which conform to ICAO Document 9303
- Fast analysis quality assurance reader
- Simple hand swipe operation with a wide tolerance to swipe rate requiring minimal operator training
- Small footprint for desktop applications
- No moving parts - increased reliability and virtually maintenance free
- Wide range of connectivity options
- Fully integrated electronics with field programmability for easy upgrade and alternative system interfaces

## OPTIONS

- Rotating, angled desk stand
- Shelf or wall mounting kit

## TECHNICAL SPECIFICATIONS

**Model Ref:**  
RTE6510

**Part Number:**  
00-6510-01

**Document Transport:**  
Single direction hand swipe.

**Read Capabilities:**  
Machine readable travel documents conforming to ICAO Document 9303:

Machine readable passports (MRP), 2 lines of 44 characters.

Machine readable visas (MRV), 2 lines of 44 characters (full size), 2 lines of 36 characters (size II).

Machine readable travel cards, 2 lines of 36 (size II), 3 lines of 30 characters (size I).

**Swipe speed:**  
10 to 125 cm/second (4 to 50 inches/second)

**Media thickness:**  
Up to 1.5 mm (0.059")

**Standard Interface:**  
RS232C Serial.  
8 bit ASCII with no parity.  
1200 to 9600 baud.

**Optional Interfaces:**  
Emulation of other user system interfaces including PC keyboard wedge and USB. Details on request.

**Power Requirements:**  
Single Phase, universal input external power supply (included):  
AC Input: 100 - 250 Vac, 47 - 63 Hz,  
DC Output: 5 Vdc

**Dimensions:**

Length	228 mm	(8.9")
Width	85 mm	(3.3")
Height	82 mm	(3.2")
Weight	0.7 Kg	(1.5 lbs)

**Environmental:**  
Operating Temperature 5 °C - 40 °C  
(45 °F - 104 °F)

Operating Humidity 40% - 90% RH  
(non-condensing)

Specifications subject to change without notice. E & OE 01/00