

3M Rochford Thompson  
Advanced Solutions

RTE6701-OEM

Passport and Ticket  
Reader Module



# RTE6701-OEM

## Passport and Ticket Reader Module

The RTE6701-OEM is a highly compact OCR reader module designed for integration into self-service terminals and keyboards. It is based on the best selling RTE6701 passport reader which is in use by Immigration Authorities, Border Control Police and international airlines the world over. In a simple hand-swipe operation the reader captures the OCRB codelines from all Machine Readable Travel Documents which conform to the international standard specified by ICAO in Document 9303. This includes Machine Readable Passports (MRP), Visas (MRV), and OCRB encoded cards such as the US Resident Alien card and various national ID cards.

Use of the RTE6701-OEM by international airlines enables their passengers to enjoy the clearance benefits of Advance Passenger Information Systems (APIS). In addition the reader can also capture the Stock Control Number off airline tickets, both TAT and ATB as well as the FSN and Ticket numbers. Integrated barcode reading can capture the IATA barcode from a TAT in the same swipe. This information can be used for ticket fraud prevention, revenue accounting and yield management.

Hand-swipe operation makes the reader simple to use and its wide tolerance to varying swipe rates ensures a very high first time read rate. This makes the reader an ideal choice for self-service use by the general public.

The RTE6701-OEM consists of a single electronics PCB, a small camera head and a metal swipe slot assembly. The power requirements are simply +5Vdc and outputs are provided for both good and bad reads. With absolutely no moving parts it is highly reliable and virtually maintenance free.

Host connection is via either USB or RS232 interface and the industry standard protocols allow simple integration into existing systems. Full field programmability ensures the module can be easily upgraded either by service personnel or by the host computer.

### Features

- Reads passports, visas and other documents conforming to ICAO Document 9303
- Reads SCN, FSN, TKT and barcodes off ATBs and TATs
- Bi-directional hand-swipe with wide speed tolerance provides a high first time read rate suitable for untrained use
- Small footprint, fully integrated electronics
- No moving parts hence virtually maintenance free
- Simple connectivity
- Programmable configuration and protocols which may be downloaded from the host
- Designed to be built into self-service terminals and keyboards

### Technical Specifications

**Model Ref:** RTE6701-OEM

**Part Number:** 00-6701-XX

#### Document Transport:

Bi-directional 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 (full size), 2 lines of 36 (size II).
- Machine Readable Travel Cards, 2 lines of 36 (size II), 3 lines of 30 (size I).
- Bankers cheques, MICR E13B encoded to ISO 1004.
- TATs and ATBs, extracts IATA barcode and SCN, FSN and TKT numbers in OCRB, OCRA 1402M and 407E-1 fonts.

#### Media thickness:

Up to 1.5 mm (0.059")

#### Standard Interfaces:

##### RS232 Serial:

User configurable 4800, 9600, 19200 baud, 7 or 8 bit data, even, odd or no parity.

##### USB (serial port profile):

Either port or self powered. USB2.0 compatible.

#### Optional Interfaces:

PC keyboard wedge and dumb terminals.

Details on request.

#### RS-232 Serial Protocols:

RTE Standard, CUTE/NT Plus, MUSE/NT, CREWS, TECS or customer defined.

TTL Outputs:

Good read and bad read pulsed for 2 seconds (typical).

#### Power Requirements:

**DC Input:** 5 Vdc @ 500mA

#### Dimensions: (including typical slot assembly)

Length 260 mm (10.25")

Width 60 mm (2.3")

Height 50 mm (2.0")

#### Environmental:

Operating Temperature 5 °C - 40 °C (40 °F - 104 °F)

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

#### Acknowledgements:

CUTE/NT Plus is a trademark of SITA (Societe Internationale de Telecommunications Aeronautiques).

MUSE is a product of ARINC. CREWS is a product of RESA.

All trademarks acknowledged.

Specifications subject to change without notice. E & OE 09/07.



### 3M Rochford Thompson Ltd

The Votec Centre  
Hambridge Lane  
Newbury  
Berkshire RG14 5TN

Tel: +44 (0) 1635 580666  
Fax: +44 (0) 1635 36940  
Website: www.passport-scanners.com