

3M Rochford Thompson  
Advanced Solutions

# RTE8000 BGR

Travel Document Scanner  
with MSR



**3M**

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## Travel Document Scanner with MSR

The RTE8000 BGR is multi-function travel document scanner intended for use at airport boarding gates, check-in desks and other areas where optical and magnetic data from a wide range of travel documents must be captured quickly and accurately.

As passenger processing methods evolve, airline staff need to read an ever growing range of passports, visas, ID cards, boarding cards and frequent flyer cards at different stages of the check-in and boarding process. The RTE8000 BGR allows all of these to be read in a single, compact unit which also includes the ability to read the latest generation e-Passports and e ID cards.

The RTE8000 BGR includes a full page passport scanner, a 4 track magnetic stripe reader and two high visibility backlit LCD displays for maximum versatility. It also ensures a high degree of "future proofing" whether the demand be for storing images of travel documents, reading biometric data from contactless chips or authenticating passports.

### Features

- Full page optical scanner. Reads passports, visas and all other ICAO standard travel documents plus airline tickets (TAT and ATB) and national ID cards.
- Reads 2D barcodes on ATBs and home printed boarding cards
- 4 track magnetic stripe reader
- Separately controlled LCD displays for customer and agent, content supplied by host computer
- Captures full colour images of all travel documents including non-ICAO passports
- Supports document authentication with visible, infra red (IR) and ultra violet (UV) light sources
- High speed USB2.0 interface
- Auxiliary USB2.0 interface for webcam, fingerprint scanner or other biometric device

### Options

- Fully integrated contactless RF chip reader for e-MRTDs, ISO 14443 Type A and B compatible. Meets all ICAO requirements for e-Passport interoperability.
- Lower resolution 250dpi (not suitable for 2D barcodes)



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### Technical Specifications

**Model Ref:** RTE8000 BGR

#### Optical Reader:

- Visible, Infra-red and Ultra-violet light sources
- Optical resolution 400 dpi (250 dpi optional)
- Scan area 135 x 100 mm (5.3 x 3.9 inches)

#### Optical Read Capabilities:

- Passports (MRP), 2 lines of 44 characters
- Visas (MRV), 2 lines of 44 (full size), 2 lines of 36 (size II)
- Travel and ID Cards, 2 lines of 36 (size II), 3 lines of 30 (size I) which comply to ICAO Document 9303.
- Linear barcodes including IATA Industrial 2 of 5, Code 128, Code 39.
- 2D barcodes PDF417, Datamatrix, QR code.

#### Magnetic Reader:

4 track, hand swipe, bi-directional

#### Magnetic Read Capabilities:

4 track ATB in accordance with IATA Resolution 722e for ATB1, ATB2, MCO and MPD coupons.  
3 track credit card conforming to ISO 7811/2-5.

#### User Displays:

Dual blue LCD, backlit displays, each 2 lines by 16 characters. One faces the operator, the other faces the customer.

#### Optional RF Reader (Contactless Chip):

Fully integrated ISO 14443 Type A & B compatible RF reader for ePassports. Supports autodetection, anti-collision, high speed transmission.

#### Host Interface:

USB2

#### Auxiliary Device Interfaces:

USB2

#### Operator Indicators:

2 status LEDs including power / self test indication  
1 large customer facing red / green indicator LED

#### Power Requirements:

Universal input external power supply:  
AC Input: 100-240 Vac, 50-60 Hz, DC Output: 12 Vdc, 3A max

#### Dimensions:

Depth	200 mm	(7.9")
Width	191 mm	(7.5")
Height	214 mm	(8.4")
Weight	2.65 kg	(5.8 lbs)

#### Environmental:

Operating Temperature 5 °C - 35 °C (40 °F - 95 °F)  
Operating Humidity 40% - 90% RH (non-condensing)

#### Host System Requirements:

Pentium P4 1.5 GHz class running Windows 2000 or XP, 256Mb RAM, 40Mb HD space.

#### Compliance:

FCC, CE, UL certified.

#### Acknowledgements:

All trademarks acknowledged.

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