

1174 EPASSPORT QUEUE BUSTER FOR MOTOROLA MC55/65/67 PRELIMINARY SPECIFICATION



OCR-B and Contactless Smartcard

This compact snap-on reader integrates both an OCR-B swipe reader for the Machine Readable Zone (MRZ) of a Passport with a contactless RFID reader to communicate with the embedded chip in ePassports.

The contactless smartcard reader provides the ability to read and write to a wide variety of transponders at 13.56MHz compliant to ISO 15693, ISO 14443A and ISO 14443B.

The reader can be used to provide an electronically generated passenger manifest as well as being able to fully read the embedded contents of the ePassport RFID chip.

Retains functionality

The reader can be used with all product variants of the Motorola MC55/65/67 to provide mobile ePassport reading functionality.

The small snap-on device can be semi-permanently attached to the Motorola MC55/65/67 whilst retaining compatibility with the single slot charger cradle as well as a variety of other Motorola accessories. The handheld device allows the Motorola terminal to be charged with the snap-on attached, and ActiveSync over USB is also supported.

This standards based solution simplifies application development using the API and SDK available for this product.

Features:

High Performance OCR-B Reader

Highly accurate fast reading of passport MRZ

High speed contactless reading of Data Group Files using Basic Access Control

Contactless Smartcard Reader

Supports ISO 15693, ISO 14443A and ISO 14443B standards.

Up to 4cm read distance

Long run time

- Queue busting at airport check-in
- Police identification checks
- Passport checks around airports
- Boarding gate passport checks

Please Note: This is a semi-custom, built-to-order product - minimum order quantities apply. Please contact TSL to discuss your requirements. No formal Regulatory Certifications are in place for this product and will not be sought without sufficient market imperative. Please also note that units are produced using rapid prototyping materials.

PRELIMINARY SPECIFICATION

Physical Characteristics

Dimensions (max):	102 x 86 x 58mm (4.02" x 3.39" x 2.28")
Weight:	125g
Enclosure material:	GE Lexan Polycarbonate
Colour:	Black
Material finish:	Sparkled surface
Mechanical Attachment:	Snap-on action with locking slides

Contactless Card Reader

RF Transmit Frequency:	13.56MHz
Supported contactless cards:	ISO 15693 ISO 14443A/B Philips MIFARE®, DESFIRE®, MIFARE Prox®, SMART MX, ICODE®
Read Distance:	Up to 4cm (tag dependent)

OCR-B Reader

Read Formats:	Machine readable passports (MRP), visas (MRV) and travel cards conforming to ICAO 9303, US Resident Alien cards, European national ID cards, APACS debit and credit documents, E13B and OCR-B fonts
Direction of Read:	Bi-directional

Environmental

Operating Temp.:	-10°C to +50°C (14°F to 122°F)
Storage Temp.:	-40°C to +60°C (-40°F to 140°F)
Humidity:	Up to 90% Relative humidity Non Condensing
Construction:	RoHS compliant

PART NUMBERS

1174-01-SO-EPQB	1174 ePassport Queue Buster for Motorola MC55/65/67
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WARRANTY

The TSL 1174 reader is warranted against defects in workmanship and materials for a period of one year (12 months) from date of shipment, provided the product remains unmodified and is operated under normal and proper conditions.

ABOUT TSL

TSL designs and manufactures both standard and custom embedded, snap on and standalone peripherals for handheld computer terminals. Embedded technologies include:

- RFID - Low Frequency, High Frequency & UHF
- Bluetooth® wireless technology
- Contact Smartcard
- Fingerprint Biometrics
- 1D and 2D Barcode Scanning
- Magnetic Card Readers
- OCR-B and ePassport

Utilizing class leading Industrial design, TSL develops products from concept through to high volume manufacture for Blue Chip companies around the world. Using the above technologies TSL develops innovative products in a timely and cost effective manner for a broad range of handheld devices.

CONTACT

Address:	Technology Solutions (UK) Limited, Suite A, Loughborough Technology Centre, Epinal Way, Loughborough, Leicestershire, LE11 3GE, United Kingdom.
Telephone:	+44 1509 238248
Fax:	+44 1509 214144
Email:	enquiries@tsl.com
Website:	www.tsl.com



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