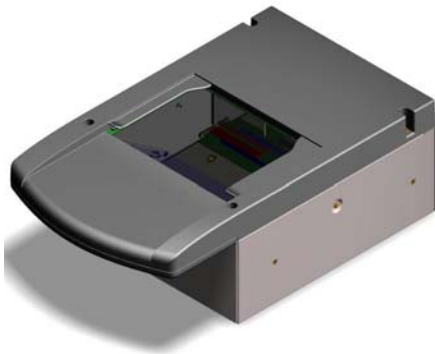


## Product Use



The 3M™ Kiosk ePassport Reader is used to inspect and image travel documents, including biometrically enabled travel documents containing contactless integrated circuits (IC). The reader can scan and access data contained in ICs regardless of their location within the document.

The 3M™ Kiosk ePassport Reader offering incorporates the following:

1. The 3M Kiosk ePassport Reader
2. ePassport Manager Software and SDK

Software must be installed either on a 3M provided CPU module, or on a customer provided PC

## Key Standard Features & Functionality

*Requires ePassport Manager and its SDK on a customer provided PC or 3M CPU module*

- Multiple document reading and imaging capability – imaging in 24-bit color
- OCR data capture
- Rapid multi-wavelength illumination – visible and IR
- Contactless IC reading capability ISO 14443 Type A and Type B ICs
  - Supports reader to chip transfer rate of 424 Kbps when applicable (IC dependent)
  - Provides functionality according to ICAO NTWG Technical Reports
  - Communicates with contactless IC placed in any location within the document
- Auto-triggering of document capture – presence of document is automatically sensed
- Provides complete access to all OCR data and images captured via SDK
- Enables images to be accessed as BMP or JPEG format
- Provides remote access via TCP/IP protocols
- Provides centralized configuration management and software upgrades
- Windows® 2000-SP4, XP or Vista® compatible
- Integrated USB 2.0 Hub – 2 ports
- Metal frame construction
- No moving parts

## Reading Capability

The 3M™ Kiosk ePassport Reader reads the following (functions provided by the software development kit):

- All ICAO compliant documents in near IR (infrared) per ICAO 9303 specification Parts 1-4
- ISO 14443 Type A and B contactless ICs (13.56 MHz)
- Active and Passive Authentication of ePassports
- Basic Access Control and optional Extended Access Control of ePassports
- 1D barcodes 2 of 5 interleaved, Code 128, Code 39
- 2D barcodes (PDF417, Aztec, QR, Datamatrix)

## Illumination

The 3M™ Kiosk ePassport Reader illuminates documents in multiple wavelengths and lighting orientations:

- Near IR B900, 890 nm spectral range
- Broadband visible: 400 - 700 nm spectral range

## Resolution *(in color)*

- Image resolution capacity 416 DPI (dots per inch)
- Average effective output image resolution: 380 DPI

<b>Software/Firmware Upgrade</b>	<ul style="list-style-type: none"> <li>• Upgradeable firmware via USB 2.0 interface</li> <li>• Configurable via USB 2.0 interface</li> <li>• Non-volatile configuration</li> <li>• Configuration can be saved to a file for backup or maintenance</li> </ul>
<b>Compliance</b>	<ul style="list-style-type: none"> <li>• FCC Part 15 Class B</li> <li>• UL, UL-C</li> <li>• CE</li> </ul>
<b>Operating Environment</b>	<p>The reader operating environment specifications are as follows:</p> <ul style="list-style-type: none"> <li>• Humidity: 20 to 80 % (R.H. non-condensing)</li> <li>• Temperature: 0° to 40° C operating; -20° to 50° C storage</li> </ul>
<b>Processing Speed</b>	<p>Optical processing time is on average less than 3 seconds. Overall read times will vary for specific documents depending on the capabilities and amount of data stored on ePassport chips.</p>
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>• Width 170 mm</li> <li>• Depth 292 mm</li> <li>• Height 99 mm</li> <li>• Weight &lt; 1 Kg</li> </ul>
<b>Power</b>	<p>The 3M ePassport Reader comes equipped with a power supply:</p> <ul style="list-style-type: none"> <li>• Input voltage 100 - 240 VAC plus/minus 10%</li> <li>• Frequency 47 - 63 Hz</li> <li>• Detachable IEC320 AC mains power cable</li> <li>• Power consumption is less than 18 Watts</li> <li>• Capable of operating from a 12-volt DC supply for use in mobile operating environments</li> </ul>
<b>Minimum PC Specifications</b>	<p>Software must be installed on a PC. If the software is to be installed on a customer-provided PC, the following minimum configuration is recommended to maintain the processing speed indicated above:</p> <ul style="list-style-type: none"> <li>• 1.7 GHz Pentium® 4</li> <li>• 256 Mb DRAM</li> <li>• USB 2.0</li> <li>• 80 Mb of Hard Drive space for software</li> <li>• Windows 2000-SP4, XP or Vista</li> </ul>
<b>Service &amp; Maintenance</b>	<ul style="list-style-type: none"> <li>• One-year warranty</li> <li>• 24-hour service request via toll-free number</li> <li>• Annual maintenance agreement available</li> </ul>
<b>Contact 3M</b>	<ul style="list-style-type: none"> <li>• <a href="http://www.3M.com/security/IA">www.3M.com/security/IA</a></li> <li>• +1 613-722-2070 or 1-800-581-2631</li> </ul>

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