

Product Use



The 3M™ Inspection Reader (*formerly PAX Reader*) provides inspection reading (MRZ reading and decoding) functionality for passenger processing and border control applications.

Key Standard Features & Functionality

- Multiple document reading capability
- OCR data capture
- Auto detection of document types – no user intervention or keystrokes required
- Ease of use – documents may be dropped into the reading slot or swiped through in either direction
- Multiple wavelength illumination
- No moving parts
- Compact and robust metal construction

Reading Capability

The 3M Inspection Reader reads the following document types:

- All ICAO compliant documents in near IR (infrared) per ICAO 9303 specification Parts 1-4
- Magnetic encoded data from 3-track magnetic stripes (optional)
- IATA standard ATB, TAT documents
- Non-ICAO documents

The reader may be optionally configured to read:

- 1D barcodes – 2 of 5 interleaved, Code 128, Code 39
- 2D barcode – via externally connected bar code reader

Processing Speed

Processing and transfer to the host takes place in under 2 seconds.

Interfaces

- 2 RS232 interfaces to host port
 - Baud rate selectable from 300 to 115200 Baud
 - Supports hardware flow control
 - Selectable Data bits, Stop bit, and Parity
- Optional USB 2.0 full-speed (12Mbps)

Firmware Upgrade

- Field upgradeable firmware that does not require opening of the unit
- Field configurable (i.e. change message format, baud rate)
- Non-volatile configuration
- Configuration can be saved to a file for backup or maintenance
- 4 Mb Flash memory for program/configuration storage
- 32 Mb RAM for temporary data storage

Certifications & Compliance	<ul style="list-style-type: none"> • SITA message format certified • ARINC message format certified • FCC Part 15 Class B • UL, UL-C • CE
LED Indicators	<p>The 3M Inspection Reader provides user feedback via the following indicators:</p> <ul style="list-style-type: none"> • Ready LED indicator • Valid Read LED indicator • Read error LED indicator <p>The reader performs a power-up self-test and indicates failure via the status LEDs.</p>
Dimensions	<ul style="list-style-type: none"> • Width 163 mm • Depth 110 mm • Height 95 mm • Weight 1.64 Kg (excluding attachments) • OCR slot width 2 mm for thick documents
Power	<p>The 3M Inspection Reader comes equipped with a power supply:</p> <ul style="list-style-type: none"> • Input voltage 100 - 240 VAC plus/minus 10% • Frequency 47 - 63 Hz • Detachable IEC320 AC mains power cable • Power consumption less than 5 Watts • Capable of operating from a 12-volt DC supply for use in mobile operating environment
Operating Environment	<p>The reader operating environment specifications are as follows:</p> <ul style="list-style-type: none"> • Humidity: 20 to 80 % (R.H. non-condensing) • Temperature: 0° to 40° C operating; -20° to 50° C storage
Service & Maintenance	<ul style="list-style-type: none"> • One-year warranty • 24-hour service request via toll-free number • Annual maintenance agreement available • Regular cleaning recommended – cleaning pads available from 3M
Contact 3M	<ul style="list-style-type: none"> • www.3M.com/security/IA • +1 613-722-2070 or 1-800-581-2631

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