

## Introducing Access IS

Access IS develops and manufactures highly reliable products to provide either a human interface or data acquisition for our customers' computer-based applications.

Over a period of twenty years we have developed a substantial engineering team with a broad range of technical skills. This team, together with our technical sales staff, have experience in solving all manner of challenges faced by customers in markets as diverse as security, banking, airports and retail stores.

Our extensive in-house capabilities enable us to quickly turn design concepts into reality. All the design disciplines including 3D mechanical design, PCB layout, EMC testing, embedded



software development, software device driver and test utilities are performed in-house. In addition, we have a mould workshop equipped with a computer controlled machining centre which allows concepts to be prototyped quickly.

Access is ISO9000:2008 and TickIT certified, an accreditation covering good practice and continuous improvement of software design, key to the performance of our products.

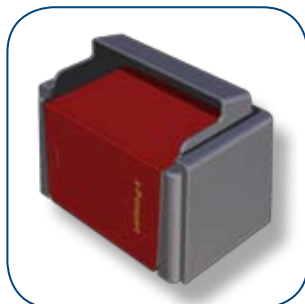
## Passport & e-Passport Readers

Access IS offers a wide range of data capture devices for border control, immigration, public access kiosks and automated turnstiles.

The OCR600e is a single action reader that captures the machine readable zone (MRZ) from documents complying to ICAO9303 and provides a robust and low-cost alternative to excessively complex full-page, multi-illumination document scanners. An integrated RFID reader enables the device to simultaneously decode the contents of an e-passport or contactless smart card chip and the OCR600e can also capture the image of the MRZ data for analysis by the user's application.



**OCR600e reader simultaneously decoding chip and reading MRZ**

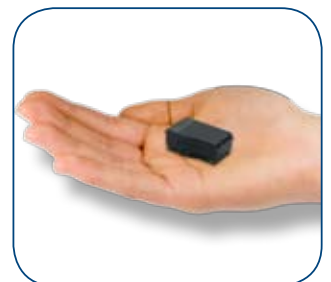


**The OCR640 full-page passport imager**

The OCR640 is capable of capturing the full-page of a passport as a colour image or greyscale, or merely read the MRZ. An RFID option enables the device to simultaneously decode the contents of an e-passport or contactless smart card chip.

## OEM OCR Passport Reading Module

Central to a number of Access designs, and available to OEM manufacturers, the OCR310 is the world's smallest optical character recognition (OCR) module. The OCR310 is designed for integration into portable devices such as hand-held digital assistants and ultra-mobile PCs in applications including security checks at airport boarding gates, accelerating airport check-in and police identification checking.



**Miniature OCR310 module**

The OCR310 captures code lines from machine-readable travel documents conforming to ICAO Document 9303. APACS debit and credit documents can be read together with E13B OCRB and mixed E13B and OCRB fonts. Access' proven OCR decoder technology ensures fast and accurate document reading.



The device has very low power consumption and a sleep facility, maximising battery life. A developer's kit is available to assist in the integration of the OCR310 into OEM equipment.

**See overleaf for examples of OCR310 integration**

## Security Reading Devices

Access has developed a number of devices for security that integrate multiple reading technologies such as 2D bar code, passport, ID card and MSR card reading.

Devices have single USB connection which power the unit and allow the device to interact with host systems. The LSR130 and BGR120S devices are widely used in airports around the world, providing effective multi-

functional data-capture in security, duty-free and access control. In addition to passport and travel document reading, devices are able to read from the screens of mobile devices.

A wide range of standard devices provide platforms for many nonstandard and customer-specific security reading requirements.



**LSR130 security reader reading MRZ of a passport**



**BGR120S reading a boarding pass on a mobile phone**

## Low-cost Stand-alone Security Devices

Access offer low-cost and easy-to-implement stand-alone security document reading solutions.

OCR323 stand-alone readers offer a high performance solution for MRTD reading and the reading of E-13B and OCR-B fonts used on cheques in banks. The bidirectional read and two colour LED indication makes the OCR323 easy to operate.



**OCR323 manual swipe passport stand-alone reader**

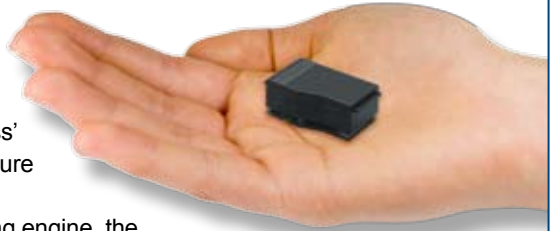
The OCR340 is a combined OCR and MSR reader designed for reading both MRZ data and magnetic swipe cards in a single device. Most airport Common Use Systems are supported and the reader can be adapted to add a new host or to support nonstandard cards such as loyalty or frequent flyer.



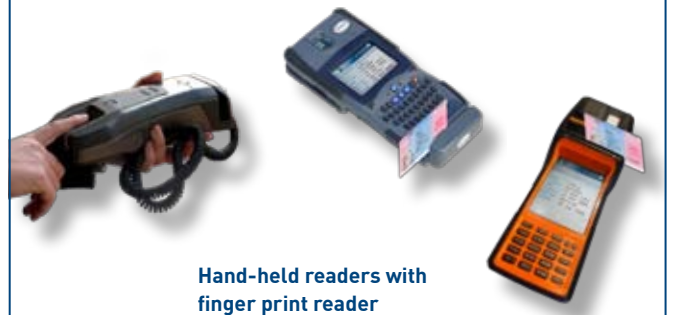
**The OCR343 combined OCR and MSR readers**

## Snap-on MRZ Reading Accessories

Access' miniature OCR reading engine, the OCR310, is designed to be easily integrated into a wide range of security devices. Here are a few examples of existing applications.



**Left to right: Itronix tablet computer; Motorola MC70 & MC75® MRZ snap-on accessory; Intermec CN3 & CN4® MRZ snap-on accessory**



**Hand-held readers with finger print reader**

## Access IS Security Applications

Access products are designed to be used in a wide variety of security applications. Please contact us for any of your security document reading requirements.

- **Immigration**
- **Queue busting**
- **Airport boarding gates**
- **Security**
- **Police and law enforcement**