# OCR310
# Miniature OCR Document Reader OEM Module

## The smallest low-power OCR reader module on the market is designed for integration into portable reading devices.

## Description

The OCR310 is an optical character recognition (OCR) swipe reader module designed for OEM manufacturers to integrate into portable hand-held devices.
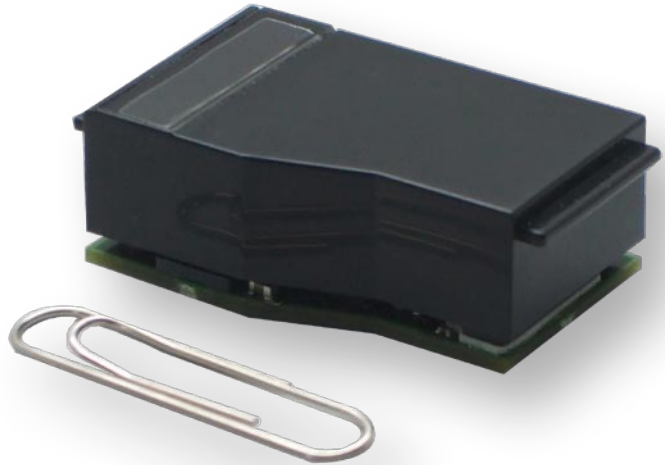
Combining ultra-compact size and low-power consumption, the OCR310 is designed to be integrated into hand-held devices for applications such as queue-busting at airport check-in desks and for the police in portable identification verification devices.

An OCR decoder is integrated within the device. Using Access' proven design, the Access advanced recognition engine provides highly accurate and very fast document reading.

The OCR reader module captures code lines from machine readable travel documents including machine readable passports (MRP), visas (MRV) and OCRB encoded cards such as the US Resident Alien card and European national ID cards. In addition, APACS debit and credit documents can be read (APACS standards 3.1 and 3.2, respectively), together with E13B, OCRB and mixed E13B and OCRB fonts.



*OCR310 miniature OCR document reader module*

## Applications

Integration into portable devices requiring low-power OCR reading such as:

- Police identification checking
- Queue busting at airport check-in
- Security checks at airport boarding gates
- AQQ and APIS generation

## Features

- Miniature package with low power consumption and sleep mode
- Rapid and accurate decoding using Access' established OCR decoding technology
- Bidirectional OCR read
- Reads machine readable passports, visas and travel cards conforming to ICAO Document 9303
- Reads APACS debit and credit documents, E13B and OCRB fonts
- RS232 or USB interfaces (serial or keyboard emulation)
- Developer's kit available



*The OCR310 integrated into portable devices*

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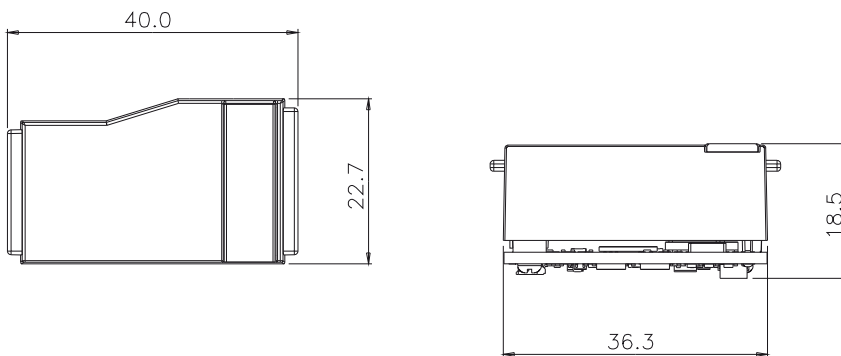
## Developer's Kit

A developer's kit is available to assist in the integration of the OCR310 into OEM equipment.

The kit comprises one OCR310 device, two development boards (one USB and one RS-232), all cables, utilities and documentation.
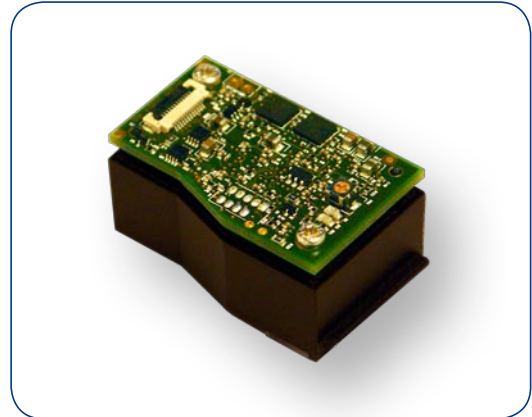


*The OCR310 integrates reading and decoding technologies*

## Dimensions



40.0

22.7

18.5

36.3

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## OCR310 Series OCR Document Readers

## Specifications

### Read capabilities

**Standard OCR fonts:** OCR-B and E13B

**Machine readable passports (MRP)** : 2 lines of 44 characters

**Machine readable visas (MRV)** : 2 lines of 44 characters, 2 lines of 36 characters

**Travel documents**: 2 lines of 36 characters, 3 lines of 30 characters

### General

**Overall dimension (excluding flanges)**: 36.3L x 22.7W x 18.5H mm

Weight: 16g

### Interfaces

**Host interface**: Bidirectional, serial, USB HID or USB keyboard output

### Connection

**Connector**: 12 way, 0.5mm pitch flat flexible ribbon (FFC): mating connector and cable available on request

### Electrical specifications

**Input voltage**: 3VDC

### Environmental

**Operating temperature**: 0°C to 50°C

**Storage temperature**: -20°C to 60°C

### Approvals

**Safety**: UL 1950 /IEC950

**RF/EMI**:  EN 55022 Class B, FCC Part 15, Subpart B, class A, BSMI EMC Class B

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