

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.



The OCR310 integrated into portable devices



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

Access IS
18 Suttons Business Park
Reading, Berkshire
RG6 1AZ, United Kingdom
Tel: +44 (0) 118 966 3333
Fax: +44 (0) 118 926 7281

Access (North America) inc
PO Box 2569, Peachtree City
Georgia 30269-2569
USA
Tel: +1-770-631-8425
Fax: +1-678-364-8856

Access 
Interfacing Solutions

For further information email: sales@access-is.com or visit our website: www.access-is.com

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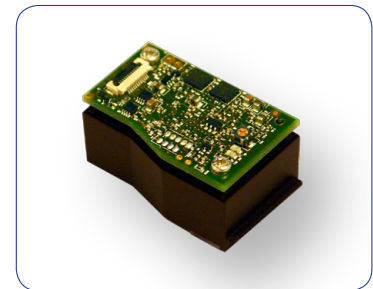
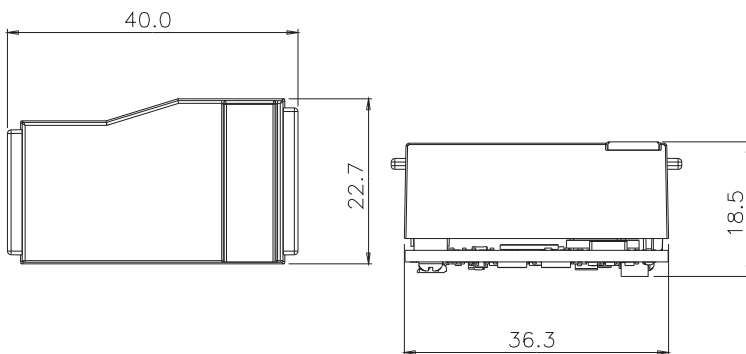
Developer's Kit

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.



Dimensions



The OCR310 integrates reading and decoding technologies

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

Field of view object height: 19.6 mm nominal

Depth of field: 1.5 mm maximum from imager window

General

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

Weight: 16 g

Interfaces

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

Connection

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

Electrical specifications

Input voltage: 3 VDC

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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Access IS
18 Suttons Business Park
Reading, Berkshire
RG6 1AZ, United Kingdom
Tel: +44 (0) 118 966 3333
Fax: +44 (0) 118 926 7281

Access (North America) inc
PO Box 2569, Peachtree City
Georgia 30269-2569
USA
Tel: +1-770-631-8425
Fax: +1-678-364-8856

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