

OCR310e

Miniature OEM OCR Reading Engine

Compact for OEM Flexibility

The OCR310e is an optical character recognition (OCR) swipe reader module. Combining ultra-compact size and low-power consumption, the OCR310e is designed to be integrated into third-party, hand-held devices for applications such as portable identification verification devices.



Accurate and Fast

An OCR decoder is integrated within the device using an advanced recognition engine to provide highly accurate and very fast document reading.

Reads All ID Documents

The OCR reading engine captures code lines from machine readable passports (MRP), visas (MRV), US and international resident permits as well as European and other national ID cards conforming to ICAO 9303 & ISO/IEC 7501-1 (2 and 3-line MRZ). It will also read the new ISO/IEC 18013-1 driving licences (1-line MRZ), so is future-proofed.



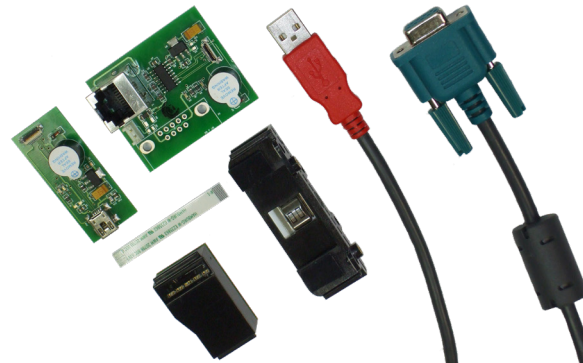
Flexible Performance

In addition, APACS debit and credit documents (APACS standards 3.1 and 3.2, respectively) can be read together with E13B, OCRB and mixed E13B and OCRB fonts.

Developer's Kit

A developer's kit is available to assist in the integration of the OCR310e into OEM equipment.

The kit comprises one OCR310e device, two development boards (one USB and one RS-232), all cables, utilities and documentation.



Device Features

Connection Types

- USB
- RS232

Technology

ABC OCR / MRZ

Reader Size

- Swipe

Features

Miniature Package

Very compact design with low power consumption and sleep mode

Fast & Accurate

Access' established OCR decoding technology ensures speed and accuracy

Documents Read

Reads passports, visas and travel cards conforming to ICAO9303 & APACS debit/credit docs, E13B & OCRB font

Simple Integration

Developer's kit available and choice of Serial or USB interfaces (CDC, HID or keyboard emulation)

Intuitive Use

Bidirectional OCR read

Applications

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

OCR Reading capabilities

Standard OCR fonts: OCR-B

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

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

ID documents: 1 line of 30
characters, 2 lines of 36 characters,
3 lines of 30 characters

MRZ swipe speed: up to 100cm/sec

OCR decoding: up to 0.3 second

Field of view object height: 19.6 mm
nominal

Depth of field: 1.5 mm maximum
from imager window

Interfaces

Host interface: 3.3V serial, USB HID
or USB keyboard output

Mechanical

Size excl. flanges (WxDxH): 36.3 x
22.7 x 18.5mm

Body: Black PC/ABS

Weight: 16g

Power

Input voltage: 3.3V +/-5%

Current consumption:

Max: <120mA

Idle: <50mA

Sleep: <30mA

Suspend: <10mA

Connection

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

Environmental

Temperature:

Operating: 0°C to 50°C

Storage: 0°C to 60°C

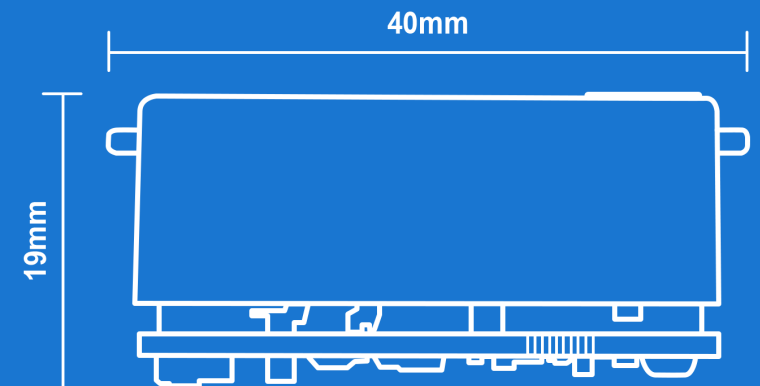
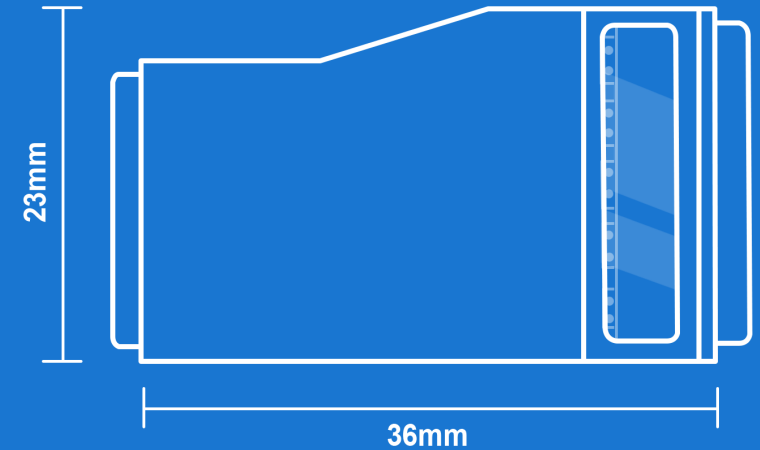
Approvals

Safety: EN 60950-1: 2006

EMC: FCC 47CFR Part 15 Class A

EN 55022: 2006 + Amd 1: 2007

EN 55024: 1998 + Amd 1: 2001 +
Amd 2: 2003



Get In Touch

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