

OCR34x Series OCR and MSR Document Reader

Combined optical character readers and magnetic swipe readers for check-in, gate and immigration applications.

Description

These combined OCR and MSR readers are designed for reading airline passenger travel document and cards. Most Common Use Systems are supported and the reader can be adapted to add a new host or to support non-standard cards such as loyalty or frequent flyer.

The dual illumination OCR reader captures code lines from travel documents including machine readable passports, visas and OCRB encoded cards such as the US Resident Alien Card and European national ID cards. For fraud prevention and reconciliation purposes it can capture OCR stock control numbers and ticket numbers printed on thermally printed ATB coupons and TAT documents, as well as read the IATA bar code ticket number.

The four-track magnetic card reader is suitable for reading ATB2 coupons, frequent flier and credit card data.

The OCR34x is extremely compact. Optional mounting brackets are available to enable the reader to be mounted at almost any angle and integrated into the smallest immigration, gate or check-in desk.

Host connection is via a standard RS232 using a detachable cable. OCR34x's are low power devices and can usually be powered from a PC keyboard or USB port. An auxiliary RS232 port allows connection of a decoded bar code scanner and to ensure future upgrades, new firmware to add and modify features can be down-loaded to the unit.



OCR34x combined OCR and MSR reader

General Features

- Simple hand swipe operation with bidirectional read
- Compact design and very small footprint
- RS232 connection (contact sales for USB interface option)
- Firmware download / upgrade capability
- Typically no external power supply required
- Bidirectional read

OCR Reader Features

- Reads machine readable passports, visas and travel cards conforming to ICAO Document 9303
- Reads documents conforming to IATA Recommended Practice 1720a for ATB and TAT tickets

Magnetic Swipe Reader Features

- Reads ISO 1,2 & 3 track credit cards
- IATA ATB2 722C format T1,T2,T3 & T4
- Wide range of swipe speeds
- Long life magnetic head

Applications

- Airline passenger travel document reading at the check-in desk, the boarding gate and at immigration
- Collection of APIS data

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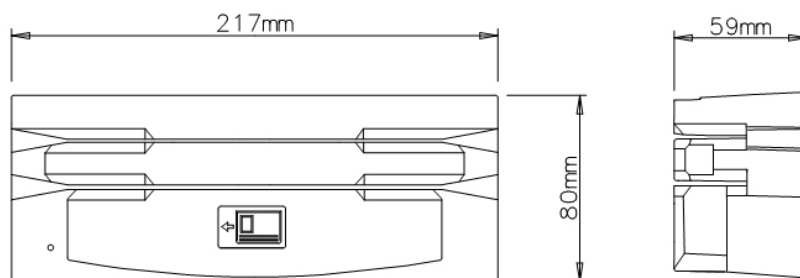
Product Selector

OCR34x products are available in a choice of two colours. The products come as standard with RS232 interface and include an LED and audible read indicator.

Part Number	Cool White	Dark Grey	RS232	USB
OCR340	Yes		Yes	
OCR341		Yes	Yes	
OCR342	Yes			Yes
OCR343		Yes		Yes

Further product variations are available on request: please contact our sales department to discuss your particular requirements.

Dimensions



OCR34x OCR and MSR Reader

Specifications

Read capabilities - OCR

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

OCR ticket data: data printed in accordance with IATA Recommended Practice 1720a, including ATB-1 type 407-E, 1403M, OCRB, OCRA and IATA 2 of 5 bar code data

Read capabilities - MSR

Travel documents: Bidirectional read ticket and boarding pass coupons conforming to IATA Resolution 722E

Read capabilities - MSR (cont.)

Credit cards: Card data conforming to ISO 7811/2-5

General

Colour: Cool white or dark grey

Dimension: 217W x 80D x 59H mm

Weight: 0.8 kg

Cable length: 2.5m

Interfaces

Host interface - OCR340/341:
Bidirectional, RS232 by 9-way D-type

Host interface - OCR342/343:
USB 1.1

Electrical specifications

Power requirement: +5VDC

Current consumption: <250mA

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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