

# 8300 and 8310 MICR Readers

**Access' 8300 and 8310 cheque readers for banking and finance applications.**

## Description

Access IS' 8300 MICR cheque readers offer various interface and decoding capabilities.

Suitable for use in banks and building societies for cheque validation where reliability and accuracy are essential. Also suitable for bought ledger and mail order where large numbers of cheques are processed.

The 8300 family have sophisticated programming options and this generally enables the reader to be configured to interface to existing teller software applications. All 8300 products contain FLASH program memory and the firmware can be upgraded in the field without the need to disassemble the product.

## Features

- High quality strong product giving reliable performance
- Compact size
- Wide range of interface options available
- Discriminates between E13B and CMC7 MICR fonts
- Optional MSR reader and bar code wand input
- 'Good read' LED indicator and beeper
- USB, RS232 and 'wedge' decoded versions
- Plug-in cable set
- Typically port-powered when using USB or PS/2 interface.
- +5V external power supply can be supplied as an option when connected using the serial port

## Options

- Low-cost, reduced feature set version, 8310
- Integrated 2 or 3 track MSR
- Various connection options



*The 8300 MICR reader*

## Applications

Sophisticated colour printers and copiers have become so good that it is sometimes difficult to tell the difference between an original and a copy of a document. This has substantially increased the risk of fraud by high quality copies of cheques being mistaken for the original.

Cheques in circulation in the UK have a line of magnetic ink which contains the cheque number, account and sort code information. It is this magnetic ink that Access IS MICR readers recognise and read using a magnetic read head. Copy documents do not have the magnetic ink properties and are detected immediately.

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## 8300 Configuration Options

Versions of the 8300 are available which support the direct connection to POS terminal I/O Ports, numerous keyboard wedge interfaces, hand held scanner decoding, integrated magnetic stripe reader, and auxiliary RS-232 I/O ports. The 8300 is compatible with hundreds of POS and teller systems through the built in interface/wedge controller. The 8300 typically operates from +5 volt or +12 volt power from the host device and does not require external power pack or connector blocks.

## 8300 Standard Ports

- The main port supports serial, keyboard wedge, USB and bar code wand interfaces
- Additional standard bar code reading wand input port
- RS-232 port for connection of other peripherals, such as a signature capture pad

## 8300 Options

The 8300 may be ordered with an integrated 2 or 3 track magnetic stripe reader and a second RS-232 port.

## 8310 Version

The 8310 is the reduced feature set member of the 8300 family and is ideal for applications that do not need the sophistication of the 8300.

The 8310 contains interface support for PC COM ports for POS applications, many PC and video terminal keyboards in a keyboard wedge mode, as well as support for communications with many credit authorization terminals. The 8310 also has a magnetic stripe reader option for a combined cheque reader/MSR solution.



ST8300 MICR reader with MSR option

## 8300 and 8310 MICR Readers

### Specifications

#### MICR reader

**MICR fonts supported:** E13-B and CMC-7 MICR fonts

**Cheque reading:** Cheque reading decode and transmit time 2 seconds

**First pass read rate:** 99%

#### MSR reader (option)

Options for Tracks 1 & 2 and Tracks 1,2 & 3

#### Mechanical

**Dimensions:** 87H x 104W x 146D mm

**Weight:** 567 g

#### Power supply

**Voltage:** +5VDC +/-10% 100 mV ripple max; +7 to +13.5 V unregulated 500 mV max

**Power consumption:** 125 mA typical; 385 mA typical with motor on

**Power supply:** Not provided as standard; available as an option

#### Environmental

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

**Storage temperature:** -18°C to 60°C

**Humidity:** 95% max, non-condensing

**Approvals:** Fcc class A; CE complies with EMC 89/336/EEC

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