



SCANTEAM[®] 8300 Series MICR Check Reader

The SCANTEAM[®] 8300 is a magnetic MICR check reader that can adapt to a variety of applications, enabling retail and financial transactions to reduce fraud, increase clerk efficiency, as well as enhance customer service.

In one small footprint, the ST8300 can perform multiple functions: the ST8300 can also read bar code and magnetic stripe information and can be configured with up to two RS-232 ports for peripheral devices such as PIN pads, scales, or signature capture devices.

The ST8300 can bring this functionality to virtually any terminal as it connects to hundreds of POS and teller systems through a single host interface port.

In most cases, the ST8300 can be powered by +5 or +12 volt power provided by the host device, eliminating the need for additional bulky power supplies. For future interfaces or updates, the ST8300 contains FLASH memory which allows for easy firmware upgrades in the field without the need to send back or disassemble the product.

The ST8300 comes standard with a two year warranty.

Features & Benefits

Compact Size

Fits neatly into any installation.

Extensive Interface Support

Compatible with hundreds of PC, POS, and teller systems, including IBM 468x/469x, NCR OCIA, Fujitsu OCR and serial RS-232 devices. In many cases, the ST8300 may operate from host power, eliminating the need for an external power supply.

Aggressive Decoding

Internal decoding auto-discriminates E13B and CMC7 MICR fonts, various bar codes, and MSR information while maintaining a reliable high first pass good read rate.

Multiple Inputs

Multiple inputs allows for triple track magnetic stripe data capture, bar code input/decoding, and up to two RS-232 ports for additional peripherals.

*Standard: One bar code port
 One RS-232 port*

*Optional: Integrated MSR
 Second RS-232 port*

Flash Memory

Allows for easy and fast firmware upgrades in the field, without chip changes, extending the life of the product.

Performance

| | |
|--------------------------------|--|
| Check Reading: | Check Read/Decode/Transmit Time: 2 seconds with 99% first pass good read rate, 99.9% second pass good read rate. |
| MICR Fonts Supported: | E13-B and CMC-7, autodiscrimination |
| Data Formatter | |
| General Data Formatter: | MSR, bar code, and RS-232 data can be uniquely formatted by the ST8300 before being sent to the host. |
| MICR Data: | Every ST8300 contains a user-selectable table of common MICR data output formats. |
| MICR Exception Table: | The ST8300 includes programmable parsing rules. Parsing rules for new checks can be added in the field. |
| Options: | Second RS-232 Auxilliary Port Integrated dual or triple track mag stripe card reader |
| Accessories: | Wall Mount Power Pack Wall Mounting Plate MICR Programming Checks MICR Head Cleaning Cards Mag Stripe Cleaning Cards PC Windows-based Programming Utility, Quick*Load |

Interface

| | |
|------------------------------|---|
| Interfaces Supported: | PC type Keyboard Wedges, OCIA, OCR, IBM 468X/469X direct connect, IBM 468X/469X Keyboard Wedge, Wand Emulation, PC Serial RS-232, and DEC VT Series Keyboard Wedge. |
|------------------------------|---|

Mechanical/Electrical

Dimensions

| | |
|----------------|-------------------|
| Height: | 3.4 in. (8.71cm) |
| Width: | 4.08 in. (10.4cm) |
| Depth: | 5.75 in. (14.6cm) |
| Weight: | 1.25 lb. (567g) |

Power Requirements

| | |
|-----------------------------|--|
| Transformer Options: | 120 VAC/60Hz input and 9VDC output. UL/CSA safety listed |
| Input Voltage: | Regulated +5VDC, +10%, 100mV ripple max, or Regulated or unregulated +7 to +13.5 VDC, 500 mV ripple max |
| Operating Current: | With motor on:385mA (typical average) With motor off:125mA (typical) |

Environmental

Temperature

| | |
|--------------------------|---|
| Operating: | +32°F to +122°F (0°C to 50°C) |
| Storage: | 0°F to +140°F (-18°C to 60°C) |
| Humidity: | 95% max, non-condensing |
| ESD Immunity: | 8KV discharge w/out degradation in performance. 15KV top surface / 10KV bottom surface without permanent damage |
| Agency Approvals: | FCC Class A; CE: complies with EMC 89/336/EEC |



Complies with EMC 89/336/E
and LVD 73/23/EEC

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