

SCANTEAM® 8310 Series

MICR Check Reader



SCANTEAM® 8310

Description

The SCANTEAM® 8310 is a reduced feature set member of the SCANTEAM 8300 family of check reader products. All ST8300 products contain FLASH memory which allows for easy firmware upgrades in the field without the need to disassemble the product, and a magnetic read head for MICR data capture.

The SCANTEAM® 8310 contains communications support for traditional PC COM ports for PC-POS applications, many PC and video terminal keyboards in a keyboard wedge mode, as well as support for communications with many credit authorization terminals, including Hypercom™, Data Card™, Verifone Tranz™, and ZON™ series products.

Applications

The SCANTEAM® 8310 was developed to specifically help retail and financial systems integrators become more flexible in their data capture capability. The ST8310 can adapt to a variety of applications, giving the integrator the ability to better control fraud, as well as further enhance customer service.

Features

Compact Size

Direct Connect Interfaces

Integrated Keyboard Wedge Controller

Motorized Check Handling and Transport

Flash Memory-Based Firmware

MICR Line Exception Table

Wide Range Input Power

E13-B and CMC-7 MICR Font Auto-Discrimination

Benefits

- Fits neatly into all transaction installations.
- The ST8310 can communicate to a host device using bar code wand emulation, or via serial RS-232.
- Compatible with hundreds of different POS systems through keyboard wedge interface.
- Motorized paper transport for quick, easy check handling, and a high first pass good read rate.
- Easy and fast firmware modifications.
- Allows field program memory upgrades for future enhancements without a "chip change."
- Fully programmable output data editing capability - not restricted to a limited dip-switch based selection.
- Supports host download of all parameter and MICR exception table data.
- Unique parsing instructions for non-standard MICR line data is stored in FLASH memory exception table.
- MICR exception table may be field updated using MICR programming checks or serial RS-232 download.
- The ST8310 will operate from either a regulated +5VDC power source, or a regulated or unregulated +7 to +13 VDC power source. For most keyboard wedge installations, an external power pack is not required.
- The ST8310 can read documents encoded with either E-13B or CMC-7 fonts. This feature is useful for installations near international borders where financial documents may be encoded in either font.

Specifications

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

Interfaces - ST8310-2: - PC XT, AT, PS/2 keyboard wedge
- Serial RS-232 (at True RS-232 Signal Levels)
Supports RTS/CTS hardware flow control
Supports Verifone™ compatible VISA™ protocol
- Wand Emulation, TTL Signal Level, Code 3 of 9 Format



"Complies with EMC 89/336/EEC"
"LVD 73/23/EEC"

Data Formats

MICR Output Formats: Every ST8310 contains a user selectable table of common MICR data output formats.

Data Editor: The output data can be uniquely edited by the ST8310 data editor to add or delete characters, including prefix and suffix characters

MICR Exception Table: The parsing rules for non-standard MICR line checks can be added in the field via programming checks, bar code menu, clone memory transfer from another ST8310, and host download.

Options: Wall mount power packs
Host Interface cables
ST8310 wall mount kit
MICR head cleaning checks
MICR programming checks
PC Windows™ based programming utility, Quick*Load™

Main Office

4619 Jordan Road
Skaneateles Falls, NY 13153-0187
Tel: (315) 685-8945
Fax: (315) 685-3172

European Office

Welch Allyn Ltd.
28 Sandyford Office Park
Foxrock
Dublin 18
Ireland
Tel: Int+353 1295 0750
Fax: Int+353 1295 6353

Welch Allyn U.K. Ltd.

Dallam Court
Dallam Lane
Warrington
Cheshire
WA2 7LT
Tel: Int+44 1925 240055
Fax: Int+44 1925 631280

Asia/Pacific Office

10/F, Tung Sun Commercial Centre
194-200 Lockhart Road
Wanchai, Hong Kong
Tel: Int+852 2511 3050/2511 3132
Fax: Int+852 2511 3557

Japan Office

Bon Marusan 8F
3-5-1 Kandajinbocho
Chiyoda-ku
Tokyo 101, Japan
Tel: Int+81 3 5212 7352
Fax: Int+81 3 3261 7372

Latin America Office

5150 North Tamiami Trail
Suite 302
Naples, FL 34103-2821
Tel: (941) 263-7600
Fax: (941) 263-9689

Mechanical/Electrical

Dimensions

Weight: 1.25 lb. (567g)
Height: 4.3 in. (10.9 cm)
Width: 4.08 in. (10.4 cm)
Depth: 5.75 in. (14.6 cm)

Power Requirements

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

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 Protection: 8kv discharge w/out degradation in performance
15kv top surface / 10kv bottom surface discharge without permanent damage

Agency Conformance: FCC Class A

Printed in the U.S.A.

Due to Welch Allyn's continuing product improvement programs, specifications and features herein are subject to change without notice.

