



# MAXESS

## Series 8000™

### Barcode Readers



#### **A versatile and economical addition to any OEM/VAR product line**

The Series 8000 OEM/VAR Barcode Readers incorporate infrared read head optics with on board decoding to output information in RS-232, RS-422/RS-485, Wiegand type emulation, magnetic stripe emulation or TTL formats. Ideal for reading employee/membership badges, documents, file folders and products, the Series 8000 also offers the added capability of controlling building access, machine access, parking control and many other applications.

An economical and powerful component, easily integrated into a larger system or used as a complete unit, the Series 8000 Barcode Reader is a versatile addition to any OEM/VAR product line. The Series 8000 Barcode Reader meets the demand for a low cost, compact and highly reliable barcode reader designed for small to large volume applications.

#### **Features**

- **Communication outputs:** RS-232, RS-422/RS-485, Wiegand Emulation, Magnetic Stripe Emulation or TTL
- **Versatile card widths** — .020"-.125"
- **High impact-resistant plastic read channel**
- **Infrared optic reads carbon based visible and covert barcode**
  - Code 39
  - Interleaved 2 of 5
  - Code-A-Bar*(Barcodes subject to certain limitations)*
- **One form C programmable relay driven from host or card activated**
- **Two inputs available for monitoring status by host**
- **LED status programmable from host**
- **Standard Baud rate 9600 (selectable for slower speeds)**
- **Low power electronics** — Voltage selectable (8-12 volts or 5 volts)
- **Designed for indoor/outdoor mounting**



## Series 8000 Barcode Readers

### Specifications

#### OPERATIONAL FEATURES

##### COMMUNICATION FORMATS

RS-232 8020/8025  
 RS-422 8040/8045  
 RS-485 8040/8045  
 (2-wire or 4-wire Multidrop)  
 Serial Communication  
 Baud Rate Field selectable  
 (9600,4800,2400,1200 Baud)

26 Bit Wiegand  
 Emulation 8030/8035

ABA, Magnetic  
 Stripe Emulation 8030M/8035M

##### BARCODE SYMBOLOGIES

Bidirectional  
 Autodiscriminating  
 Decodes Code 3/9\*  
 Interleaved 2 of 5\*  
 Codabar\*  
 \*Subject to certain limitations

##### BARCODE SPECIFICATIONS

Infrared scanning for security applications.  
 Reads medium density barcodes.  
 Minimum narrow bar width of .013" (.33mm)  
 Reads path .35" (8.9mm) from edge of card at  
 2 to 40 inches per second (5 to 100 cm/sec)  
 Barcodes can be covered by clear or covert  
 security overlaminates up to .015" thick.

##### RELAY OUTPUT

One form C Contact set (Not available on  
 Model 803x)  
 One amp @ 24vdc (resistive)  
 Relay controlled by host computer. Can also  
 be configured for momentary closure on good  
 barcode decode.

##### CARD WIDTHS

Insert Channel .125" (.31 cm)  
 Swipe (slot) Channel .125" (.31 cm)

##### MONITOR INPUTS

(Not available on Model 803x)  
 Two inputs available for monitoring of remote  
 contact closure.  
 Status changes are reported to host computer.

##### LED INDICATORS

Programmable LED function not available  
 on Model 803x  
 One red and one green LED.  
 LEDs controlled by host system and indicate  
 bar code activity.  
 Green = good decode  
 Red + Green = misread

#### ENVIRONMENTAL

##### ELECTRICAL

Voltage 8-12 volts DC (unregulated)  
 or 5 volts DC (+/- .25v)  
 Current 803x = 100mA typical  
 802x, 804x = 150mA typical  
 Temperature -20° C to +50° C  
 (-4° F to +122° F)

##### MECHANICAL

Swipe Length .75" (1.90 cm)  
 Width 1.825" (4.64 cm)  
 Height 2.850" (7.24 cm)  
 Weight 12 lbs (54 gr)  
 Insert Length 2.550" (6.47 cm)  
 Width 1.575" (4.00 cm)  
 Height 2.750" (6.98 cm)  
 Weight 16 lbs (73 gr)  
 Case High impact plastic

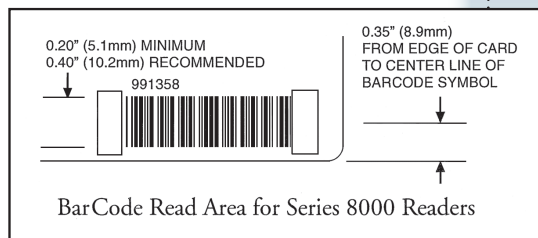
##### MOUNTING OPTIONS

Single Gang Electrical Back Box  
 Desk Top Box — Screw or Adhesive Mount  
 Wall Surface Mount

##### WAND INPUT

Supports 5 volt TTL output contact and  
 non-contact scanners

NOTE: Laser scanners must have a wand  
 emulation output.



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