



MS801 Laser Scanner



Features

- High performance scan engine
- Superior reading distance
- Reads and discriminates commonly used bar code symbologies
- Hands-free operation for retail applications
- Replaceable interface cable
- Easy to use and configure
- Advanced Data Editing features
- Configuration cloning via custom bar code labels
- Supports multiple interfaces

Its speed, low power consumption, and effective depth of field make the MS801 series suitable for a wide range of applications. Furthermore, our powerful decoder allows data to be edited and formatted before it is sent to the host. This feature saves time and money by making software changes unnecessary.

Multiple Interface Design

The decoded version supports keyboard wedge interface for PC XT/AT, PS/2, Macintosh (ADB), and over sixteen popular terminals. Wand emulation and serial RS232 are also supported. When used as a keyboard wedge, the operation of the keyboard remains unaffected. It uses a 3-in-1 interface that makes it easy to select and replace connection cables.

Easy to Install and Use

Like all other Unitech products, configuration of the scanner is fast and easy. A barcode menu provides extensive setup options. A simple quick setup menu lets users configure common features. Once ready, the configuration can be cloned and applied to other units through the use of custom barcode labels. This is very useful when you need to deploy large installations.

The MS801 is the right scanner for warehousing, production line, retail, and light industrial applications.

All Unitech scanners are manufactured at our ISO 9001 certified factory.

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MS801 Specifications

Optical

Light source: 670 ±10 nm laser diode
Scan rate: 35 ±5 scans per second
Pitch: ± 55° from normal
Skew: ± 65° from normal
Print contrast: 20% absolute dark/light reflectance at 670 nm
Scanning width: 7.5" (190 mm) at 1 mm resolution
Resolution: 5 mils (0.127 mm) minimum

| Resolution | Depth of field |
|------------|----------------|
| 5.0 mils | 2 - 4" |
| 7.5 mils | 2 - 7" |
| 10.0 mils | 1 - 10" |
| 15.0 mils | 1 - 13.5" |
| 20.0 mils | 1 - 20" |
| 40.0 mils | 2 - 30" |

Decoder

Symbologies: UPC-A/E, EAN-8/13, Codabar, Code 39, Code 39 full ASCII, Code 93, Code 32, Interleaved & Std. 2 of 5, EAN 128, Code 11, Delta, MSI/Plessey, Code 128, Toshiba, EAN 128, Label Code IV, V, and China Postal Code.
Operation modes: Trigger, flash and continuous modes
Data editing: Preamble, postamble, code id and reformatting data
Function keys: PC, Macintosh and IBM terminal keyboard
LED: Two-color LED provides good read feedback
Buzzer: Provides additional audio feedback

Electrical

Operating voltage: +3 to 5 V DC
Consumption: TTL: 7.5 mA standby, 86 mA operating
EMI protection: CE approved, complies with FCC Class A

Mechanical

Length: 4.17" (106 mm)
Width: 2.44" (62 mm)
Height: 6.30" (160 mm)
Weight: 5.5 oz. (150 g) without cable
Shock: Withstands multiple 5 ft. (1.5 m) drops to concrete floor

Environmental

Operating Temperature: 32° to 104° F (0° to 40° C)
Storage Temperature: -40° to 140° F (-40° to 60° C)
Humidity: 5 to 95% RH non-condensing

Accessories

MS207 Hands-free stand
Interface cables

Ordering Information

MS801-0 Undecoded, TTL output only
MS801-1 Supports: PC XT/AT, PS/2, and Macintosh (ADB) keyboard wedge interface; RS232 and terminal wedge; wand emulation; keyboard wedge for IBM, DEC, Dorio and Decision Data popular terminals.
MS801-0A Undecoded, includes TTL cable
MS801-1K Decoded, includes AT & PS/2 KB wedge cable
MS801-1U Decoded, includes USB straight cable
MS801-1L Decoded, includes PS/2 straight cable for notebooks
MS801-1M Decoded, includes Macintosh (ADB) KB wedge cable
MS801-1R Decoded, includes 9 pin RS232 cable
MS801-1W Decoded, includes wand emulation cable

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