



## On-Counter Presentation Omnidirectional Bar Code Reader

The Magellan™ 800i omnidirectional presentation scanner is a versatile data collection tool for many applications. It uses Datalogic Scanning's latest digital imaging technology to provide intuitive and fast reading of 1D and 2D bar codes as well as supporting more advanced features like image capture and EAS tag deactivation. Despite its small size, the Magellan 800i reader provides big performance and reliability along with a rich feature set to provide excellent value in virtually any data collection system.

The Magellan 800i reader uses third generation Illumix™ intelligent illumination technology to optimize light levels for automatically reading bar codes from mobile phones and for capturing images. Illumix technology also provides incredible motion tolerance, exceeding other 2D scanning solutions, enabling both 'sweep' and 'presentation' style scanning techniques.

When space is limited but high performance is required, look no further than the Magellan 800i reader. Its compact size and footprint make it the

ideal solution for space-constrained environments. Its precise imaging scan volume is perfect for hands-free scanning in confined spaces and helps reduce accidental misreads of items caused by stray laser scan lines, improving productivity and customer satisfaction. For large, heavy or awkward-sized items, the Magellan 800i reader can easily be picked up for handheld use because of its small, ergonomic enclosure.

Like all Magellan bar code scanners, the Magellan 800i reader includes a powerful label editing tool which can parse or manipulate label data and also allows easy integration into existing or new host systems. The Magellan family of value added features (including Diagnostics Reporting, Host Download, and Advanced Label Editing) allow management to use valuable data from the scanner to improve throughput and manage maintenance. In addition, each Magellan 800i reader supports Remote Management Systems to streamline operations and ongoing support across an enterprise.

Improve your productivity and expand your data collection possibilities at the POS and beyond with the versatile Magellan 800i omnidirectional bar code reader.



## Features

- Aggressive performance on 1D and 2D codes increases productivity
- Powerful Advanced Data Editing for custom host output
- No moving parts for improved reliability
- Illumix™ intelligent illumination technology for reading bar codes from mobile phones or laptops
- Ergonomically designed for hands-free or handheld operation
- Small footprint for easy installation into space constrained applications
- Precise imaging scan volume eliminates misreads caused by stray laser scan lines
- Configurable image capture mode to optimize host upload time
- Checkpoint Systems EAS and Interlock compatible

[www.scanning.datalogic.com](http://www.scanning.datalogic.com)



## Specifications

### DECODING CAPABILITY

1D / LINEAR CODES  
2D CODES  
STACKED CODES

Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes  
Aztec Code; Data Matrix; MaxiCode; QR Code  
GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar  
Stacked Omnidirectional; MicroPDF417; PDF417

### ELECTRICAL

CURRENT

Operating (Typical): < 350 mA  
Standby/Idle (Typical): < 250 mA  
5 VDC (+/- 10%)

INPUT VOLTAGE

### ENVIRONMENTAL

AMBIENT LIGHT  
DROP RESISTANCE  
ESD PROTECTION (AIR DISCHARGE)  
HUMIDITY (NON-CONDENSING)  
PARTICULATE AND WATER SEALING  
TEMPERATURE

Indoor: 0 to 6,000 lux; Outdoor: 0 to 86,000 lux  
Withstands repeated drops from 1.2 m / 4.0 ft onto a concrete surface  
20 kV  
5 - 95%  
IP52  
Operating: 0 to 40 °C / 32 to 104 °F  
Storage/Transport: -40 to 70 °C / -40 to 158 °F

### INTERFACES

RS-232; USB: OEM USB, USB COM, USB HID Keyboard, USB TEC

### OPTIONAL FEATURES

EAS FEATURES

Checkpoint Systems: Integrated EAS hardware will work with  
Counterpoint IV, V, VI and VII models  
Sensoromatic: Good Read Acknowledgement  
Advanced Label Editing; Diagnostic Reporting; Host Download

VALUE ADDED FEATURES

### PHYSICAL CHARACTERISTICS

COLORS AVAILABLE

Black; White; Other colors and custom logo options are available for  
minimum quantity purchase.

DIMENSIONS  
WEIGHT

15.1 x 7.6 x 10.9 cm / 5.9 x 3.0 x 4.3 in  
306.2 g / 10.8 oz

### READING PERFORMANCE

IMAGE CAPTURE  
PRINT CONTRAST RATIO (MINIMUM)  
READING ANGLE  
READING INDICATORS  
RESOLUTION (MAXIMUM)

Optional: 752 x 480 pixels; Graphic Formats: JPEG  
25%  
Pitch: +/- 60°; Roll (Tilt): 0 - 360°; Skew (Yaw): +/- 60°  
Beeper (Adjustable Tone and Volume); Good Read LED  
0.130 mm / 5 mils

### READING RANGES

TYPICAL DEPTH OF FIELD

Minimum distance determined by symbol length and scan angle.  
Printing resolution, contrast, and ambient light dependent.

#### 1D / Linear Codes

5 mils: 0 to 2.5 cm / 0 to 1.0 in  
7.5 mils: 0 to 8.2 cm / 0 to 3.2 in  
10 mils: 0 to 12.7 cm / 0 to 5.0 in  
13 mils UPC: 0 to 15.2 cm / 0 to 6.0 in

#### 2D Codes

6.6 mils PDF417: 0 to 7.6 cm / 0 to 3.0 in  
10 mils Data Matrix: 0.6 to 3.1 cm / 0.2 to 1.2 in  
10 mils PDF417: 0 to 12.7 cm / 0 to 5.0 in  
15 mils PDF417: 0 to 15.2 cm / 0 to 6.0 in  
24 mils Data Matrix: 0 to 12.7 cm / 0 to 5.0 in

### SAFETY & REGULATORY

AGENCY APPROVALS

The product meets necessary safety and regulatory approvals for its  
intended use.

The Quick Reference Guide for this product can be referred to for a  
complete list of certifications.

Complies to China RoHS; Complies to EU RoHS

ENVIRONMENTAL COMPLIANCE

### UTILITIES

MAGELLAN™ OSP

Magellan On-Screen Programming (OSP) configuration software is  
available for download at no charge.

OPOS / JAVAPOS

JavaPOS Utilities are available for download at no charge.

OPOS Utilities are available for download at no charge.

Lowers service costs and improves operations.

REMOTE HOST DOWNLOAD

### WARRANTY

3-Year Factory Warranty



Integrated stand tilts at +60°/-15° angles  
for optimal reading



Base can be secured to a counter or wall  
for fixed applications

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Product specifications are subject to change without notice.

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[www.scanning.datalogic.com](http://www.scanning.datalogic.com)



[www.L-TronDirect.com](http://www.L-TronDirect.com)

800-830-9523

[info@L-Tron.com](mailto:info@L-Tron.com)

596 Fishers Station Dr | Victor, NY | 14564 | Suite 1 A

[www.L-Tron.com](http://www.L-Tron.com)

Get in touch with us  
on social media!

