



## Omnidirectional Bar Code Reader

The Magellan 1100i OEM module easily integrates into kiosks, price verifiers or vending machines requiring 1D or 2D code reading. The imaging scan volume is optimized for these OEM applications by providing a large reading area at the window of the module where items are typically presented. Red LEDs also illuminate when an item is presented to the imager and indicate when the item is within the reading area.

Going beyond laser scanner performance, the Magellan 1100i imaging module features Datalogic Scanning's latest digital imaging technology for fast reading performance on 1D and 2D bar codes and supports advanced features like image capture. Illumix™ intelligent illumination technology additionally optimizes light levels for the automatic reading of bar codes from mobile phones and for capturing images in a variety of ambient light environments.

Illumix technology also provides incredible motion tolerance making it ideal for self-service applications involving untrained users.

Like all Magellan bar code scanners, the Magellan 1100i OEM imaging module includes a comprehensive multi-interface set and a powerful label editing feature that allows easy integration into new or existing host systems. Magellan Value Added Features include Diagnostics Reporting and Host Download with optional Productivity Index Reporting™. Integrators can use this additional data from the imaging module to improve maintenance and efficiency. In addition, each module supports Remote Management Systems to streamline operations and ongoing support across an entire enterprise.

The Magellan 1100i OEM module provides high performance and reliability along with a rich feature set to provide excellent value for virtually any system requiring a bar code reader.



## Features

- Aggressive performance on 1D and optional 2D codes
- Digital imaging technology eliminates moving parts for improved reliability
- Illumix™ intelligent illumination technology auto-detects bar codes from mobile phones or PDA's
- Compact, sealed enclosure with metal screw inserts is easy to integrate
- Large imaging scan volume is optimized for untrained users
- On-board speaker for audible feedback

## Specifications

### DECODING CAPABILITY

1D / LINEAR CODES

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

2D CODES

STACKED CODES

### ELECTRICAL

CURRENT

Operating (Typical): < 400 mA  
Standby/Idle (Typical): < 300 mA  
4.5 - 14.0 VDC

INPUT VOLTAGE

### ENVIRONMENTAL

AMBIENT LIGHT

DROP RESISTANCE

Indoor: 0 - 6,000 lux; Outdoor: 0 - 86,100 lux  
Withstands repeated drops from 1.2 m / 4.0 ft onto a concrete surface  
25 kV  
5 - 95%  
IP52  
Operating: 0 to 50 °C / 32 to 122 °F  
Storage/Transport: -40 to 70 °C / -40 to 158 °F

ESD PROTECTION (AIR DISCHARGE)

HUMIDITY (NON-CONDENSING)

PARTICULATE AND WATER SEALING

TEMPERATURE

### INTERFACES

IBM 46xx; Keyboard Wedge; OEM (IBM) USB; RS-232; RS-485; USB

### OPTIONAL FEATURES

EAS FEATURES

Checkpoint Systems: Integrated EAS hardware will work with Counterpoint IV, V, VI and VII models  
Sensormatic: Good Read Acknowledgement  
Diagnostic Reporting; Host Download; Productivity Index Reporting™ (PIR)

VALUE ADDED FEATURES

### PHYSICAL CHARACTERISTICS

COLORS AVAILABLE

DIMENSIONS

WEIGHT

Black  
8.6 x 7.1 x 6.6 cm / 3.4 x 2.8 x 2.6 in  
198.5 g / 7.0 oz

### READING PERFORMANCE

IMAGE CAPTURE

PRINT CONTRAST RATIO (MINIMUM)

READ RATE (MAXIMUM)

READING ANGLE

READING INDICATORS

RESOLUTION (MAXIMUM)

SCAN LINES

Graphic Formats: Optional: 752 x 480 pixels; JPEG  
25%  
1,768 digital scan lines/sec.  
Pitch: +/- 65°; Roll (Tilt): 0 - 360°; Skew (Yaw): +/- 75°  
Beeper (Adjustable Tone and Volume)  
0.130 mm / 5 mils  
Digital: 136

### READING RANGES

TYPICAL DEPTH OF FIELD

Minimum distance determined by symbol length and scan angle.  
Printing resolution, contrast, and ambient light dependent.  
5 mils: 1.3 to 4.6 cm / 0.5 to 1.8 in  
7.5 mils: 0.63 to 5.71 cm / 0.25 to 2.25 in  
10 mils: 0 to 12.7 cm / 0 to 5.0 in  
13 mils: 0 to 15.2 cm / 0 to 7.0 in  
20 mils: 0 to 17.1 cm / 0 to 7.0 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 EU RoHS  
IEC 60825 Class 1 LED

ENVIRONMENTAL COMPLIANCE

LED CLASSIFICATION

### UTILITIES

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

2-Year Factory Warranty

Back mounting screw insert



Cable connects out of the bottom

### BACK VIEW

Cable connects out of the bottom



Two mounting inserts on the bottom

### BOTTOM VIEW

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