

### **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 ADC'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**

# MAGELLAN™ 1100i OEM

#### **DECODING CAPABILITY**

1D / LINEAR CODES Autodiscriminates all standard 1D codes including GS1

DataBar™ linear codes

Aztec; Data Matrix; MaxiCode; QR Code

STACKED CODES

GS1 DataBar Composites; GS1 DataBar Expanded Stacked;
GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional;

MicroPDF417; PDF417

**ELECTRICAL** 

2D CODES

CURRENT Operating (Typical): < 400 mA

Standby/Idle (Typical): < 300 mA

INPUT VOLTAGE 4.5 - 14.0 VDC

**ENVIRONMENTAL** 

AMBIENT LIGHT Indoor: 0 - 6,000 lux; Outdoor: 0 - 86,100 lux

**DROP RESISTANCE** Withstands repeated drops from 1.2 m / 4.0 ft onto a concrete

surface

ESD PROTECTION (AIR DISCHARGE) 25 kV HUMIDITY (NON-CONDENSING) 5 - 95% PARTICULATE AND WATER SEALING 1P52

PARTICULATE AND WATER SEALING 1P52 TEMPERATURE Oper

 MPERATURE
 Operating: 0 to 50 °C / 32 to 122 °F

 Storage/Transport: -40 to 70 °C / -40 to 158 °F

INTERFACES

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 IX and Evolve D11 models

Sensormatic: Good Read Acknowledgement

VALUE ADDED FEATURES Diagnostic Reporting; Host Download; Productivity Index

 $Reporting^{\scriptscriptstyle\mathsf{TM}}\left(\mathsf{PIR}\right)$ 

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE Black

**DIMENSIONS** 8.6 x 7.1 x 6.6 cm / 3.4 x 2.8 x 2.6 in

**WEIGHT** 198.5 g / 7.0 oz

**READING PERFORMANCE** 

IMAGE CAPTURE Graphic Formats: Optional: 752 x 480 pixels; JPEG

PRINT CONTRAST RATIO (MINIMUM) 25%

**READ RATE (MAXIMUM)** 1,768 digital scan lines/sec.

**READING ANGLE** Pitch: +/- 65°; Roll (Tilt): 0 - 360°; Skew (Yaw): +/- 75°

READING INDICATORS

RESOLUTION (MAXIMUM)

Beeper (Adjustable Tone and Volume)

0.130 mm / 5 mils

RESOLUTION (MAXIMUM) 0.130 mm / 5 mil SCAN LINES 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.

ENVIRONMENTAL COMPLIANCE Complies to EU ROHS LED CLASSIFICATION IEC 60825 Class 1 LED

UTILITIES

OPOS / JAVAPOS

JavaPOS Utilities are available for download at no charge;

OPOS Utilities are available for download at no charge

**REMOTE HOST DOWNLOAD** Lowers service costs and improves operations

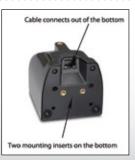
WARRANTY

WARRANTY 2-Year Factory Warranty

BACK VIEW



**BOTTOM VIEW** 



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