



On-Counter Presentation Omnidirectional Bar Code Reader

The Magellan 1000i reader features a unique approach to imaging technology by using digital scan patterns for omnidirectional reading. This innovative technology offers maximum reliability and high performance while excelling at capturing hard-to-read bar codes. Its compact size makes it the ideal solution when counter space is limited. Its precise imaging scan volume helps to prevent accidental misreads of items caused by stray scan lines reducing overall error correction time caused by these misreads.

Multiple reading modes match the right scanning technique to the item to be read. Offering hands-free operation using either presentation or sweep scanning styles, it can also be picked up and used as a handheld reader to scan larger items. Its small and ergonomic design reduces operator fatigue and injuries plus the textured grip area adds to user comfort. The 1000i also offers an optional targeted mode for reading close proximity codes, like those found on price look-up (PLU) lists.

These simple and intuitive features increase productivity and customer service and at the same time reduce the time required for training new operators.

The Magellan 1000i presentation reader offers multi-interface support built-in to every scanner that allows new interfaces to be used just by a simple program parameter change and changing cables. Ideal for use in retail and office applications it offers standard support for the most popular linear and GS1 DataBar™ codes as well as optional PDF417 and Data Matrix label decoding in a single device, simplifying the point of service environment and reducing the total system cost. A Checkpoint Electronic Article Surveillance (EAS) option provides additional value by integrating scanning and deactivation into one smooth motion.

Features

- Aggressive performance on 1D and optional 2D codes increases productivity
- Precise imaging scan volume eliminates misreads caused by stray laser scan lines
- Handheld and hands-free operation
- Targeted scanning mode for Price Look-Up (PLU) lists
- Small footprint for easy installation into space constrained applications
- Compact size and ergonomic design ensures comfortable handheld scanning
- Optional tilting stand allows scan volume to be optimized for each user, includes screw holes for fixed mounting
- Digital imaging technology eliminates moving parts for improved reliability
- Water and Particulate Sealing Rating: IP52
- Supports GS1 DataBar™ codes
- Checkpoint Systems EAS compatible



Specifications

DECODING CAPABILITY

1D / LINEAR CODES

Autodiscriminates all standard 1D codes including GS1 Databar™ linear codes

2D CODES
STACKED CODES

Data Matrix: Optional
GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; PDF417: Optional

ELECTRICAL

CURRENT

Operating (Typical): < 400 mA

INPUT VOLTAGE

Standby/Idle (Typical): < 300 mA
5.0 VDC Model +/- 10%; 8.0 - 14.0 VDC Model

ENVIRONMENTAL

AMBIENT LIGHT
DROP RESISTANCE

Indoor: 6,000 lux; Outdoor: 86,100 lux
Withstands repeated drops from 1.2 m / 4.0 ft onto a concrete surface

ESD PROTECTION (AIR DISCHARGE)
HUMIDITY (NON-CONDENSING)
PARTICULATE AND WATER SEALING
TEMPERATURE

25 kV
5 - 95%
IP52
Operating: 0 to 40 °C / 32 to 104 °F
Storage/Transport: -40 to 70 °C / -40 to 158 °F

INTERFACES

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

OPTIONAL FEATURES

EAS FEATURES

Checkpoint Systems: Integrated EAS hardware will work with Counterpoint IV, V, VI and VII models

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE

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

DIMENSIONS

Riser Stand: 5.8 x 7.4 x 9.7 cm / 2.3 x 2.9 x 3.8 in

WEIGHT

Scanner: 8.4 x 7.1 x 9.4 cm / 3.3 x 2.8 x 3.7 in
Riser Stand: 187.1 g / 6.6 oz
Scanner: 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

Optional: 752 x 480 pixels; Graphic Formats: JPEG
25%
1,170 digital scan lines/sec.
Pitch: +/- 65°; Roll (Tilt): 0 - 360°; Skew (Yaw): +/- 75°
Beeper (Adjustable Tone and Volume); Good Read LED
0.130 mm / 5 mils
Digital: 104

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 UPC: 0 to 15.2 cm / 0 to 6.0 in
20 mils: 0 to 17.1 cm / 0 to 6.7 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
LED CLASSIFICATION

Complies to EU RoHS
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

WARRANTY

2-Year Factory Warranty



Mounts/Stands

- 11-0114 Riser Stand with Tilt Adjustment and Fixed Mounting Holes, Black, 6.0 cm / 2.4 in
- 11-0115 Riser Stand with Tilt Adjustment and Fixed Mounting Holes, Grey, 6.0 cm / 2.4 in
- 11-0116 Fixed Mounting Plate, Black
- 11-0117 Fixed Mounting Plate, Grey
- 11-0143
- Flexible Gooseneck Stand, Black, 22.8 cm / 9.0 in
- 11-0160 Flexible Gooseneck Stand, Grey, 22.8 cm / 9.0 in

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