MAGELLAN® 1000i

◆DATALOGIC™

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

S p e c i f i c a t i o n s

DECODING CAPABILITY

1D / LINEAR CODES	Autodiscriminates all standard 1D codes including GS1 Databar™ linear codes
2D CODES	Data Matrix: Optional
STACKED CODES	GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; PDF417: Optional

ELECTRICAL

CURRENT	Operating (Typical): < 400 mA Standby/Idle (Typical): < 300 mA
INPUT VOLTAGE	5.0 VDC Model +/- 10%; 8.0 - 14.0 VDC Model

ENVIRONMENTAL

AMBIENT LIGHT	Indoor: 40 to 6,000 lux; Outdoor: 40 to 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	IP52
TEMPERATURE	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 Scanner: 8.4 x 7.1 x 9.4 cm / 3.3 x 2.8 x 3.7 in
WEIGHT	Riser Stand: 187.1 g / 6.6 oz Scanner: 198.5 g / 7.0 oz

READING PERFORMANCE

IMAGE CAPTURE	Optional: 752 x 480 pixels; Graphic Formats: JPEG
PRINT CONTRAST RATIO (MINIMUM)	25%
READ RATE (MAXIMUM)	1,170 digital scan lines/sec.
READING ANGLE	Pitch: +/- 65°; Roll (Tilt): 0 - 360°; Skew (Yaw): +/- 75°
READING INDICATORS	Beeper (Adjustable Tone and Volume); Good Read LED
RESOLUTION (MAXIMUM)	0.130 mm / 5 mils
SCAN LINES	Digital: 104

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: 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 Optional Codes 6.6 mils PDF: 3.8 to 7.6 cm / 1.5 to 3.0 in 10 mils Data Matrix: 0 to 4.5 cm / 0 to 1.8 in 10 mils PDF: 3.1 to 15.2 cm / 1.2 to 6.0 in 15 mils PDF: 2.5 to 15.2 cm / 1.0 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.
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

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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