

Magellan® 1000i

Omni-Directional Imaging Scanner

Data Sheet



Shown with Optional Stand

Features:

- Aggressive imaging performance and intuitive operation reduces checker training and speeds checkout for better customer service
- New imaging technology eliminates moving parts associated with laser scanners for improved reliability
- Hands-free scanning for small, easily handled items, handheld scanning for bulkier items
- Precise imaging scan volume eliminates misreads caused by stray laser scan lines
- Small footprint and size allow for easy integration into point-of-sale and OEM applications
- Textured grip area and small size allow hands of all sizes to comfortably hold the scanner when needed
- Checkpoint® Systems EAS compatible
- Optional targeted scanning mode for PLU Lists
- Optional tilting stand allows scan volume to be optimized for each user and has screw holes for fixed mounting
- Standard product is available in either Black or Grey. Other colors and custom logo options are available for a minimum quantity purchase. Please contact Datalogic Scanning or your Datalogic Scanning reseller for more information on this service.

Accessories:

- Tilting riser stand
- Fixed mounting plate

Mechanical

Dimensions	Scanner	Stand	Scanner & Stand
Height	3.3" / 8.3 cm	2.3" / 5.8 cm	5.5" / 14.0 cm
Width	2.8" / 7.1 cm	2.9" / 7.4 cm	2.9" / 7.4 cm
Length	3.7" / 9.5 cm	3.8" / 9.7 cm	3.8" / 9.7 cm
Weight	70 oz / 198 g	6.6 oz / 187 g	13.6 oz / 385 g

Environmental

Temperature Rating

Operating: 32° to 104° F / 0° to 40° C

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

Humidity: 5 to 95% NC (non-condensing)

Shock: Multiple 4' / 1.2 m drops

Water & Dust Resistance: IP52

Electrical

Operating Voltages

5.0V model \pm 5%

8.0—14.0V model

Operating Current (idle): < 300mA

Operating Current (label read): < 400mA

Communications

- RS-232
- USB
- IBM USB
- Keyboard wedge
- Wand emulation
- IBM 46xx / RS-485

Optical

Scan Pattern: 104 line

Scan Rate: 1100 digital scan lines/second

Single Line Activation: Optional button

Scan Volume: 60 in³ / 987 cm³

Minimum Resolution: 5 mil

Print Contrast: 25%

Roll: 0 - 360°

Pitch: \pm 65°

Yaw: \pm 75°

Ambient Light

Indoor: < 557 foot candles / 6,000 Lux

Outdoor: < 7999 foot candles / 86,100 Lux

Depth of Field: Please refer to table below

DEPTH OF FIELD Range Comparisons	
LABEL DENSITY	RANGE
5 mil	0.50 to 1.75" / 0.64 to 44.5 cm
7.5 mil	0.25 to 2.25" / 0.64 to 5.72 cm
10 mil	0 to 5" / 0 to 12.7 cm
13 mil UPC	0 to 6" / 0 to 15.2 cm
20 mil	0 to 6.75" / 0 to 17.15 cm

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

Decoding Capability

The Magellan® 1000i autodiscriminates between the following supported symbologies:

Retail Codes:

- UPC Versions A&E
- UPC Supplementals (Bookland & Coupon Code)
- UPC Add-ons (sub 2 or P2, sub 5 or P5 & C128)
- Dual Bar Codes for Japan (2 label read)
- Reduced Space Symbology (RSS) RSS-14, RSS expanded, and RSS Stacked Omni-directional
- EAN 8 & 13 with full expansion 8 to 13
- JAN 8 & 13 with full expansion 8 to 13
- EAN/JAN two label
- UCC/EAN 128
- Italian Pharmacode
- Supports GTIN

Industrial Codes:

- Code 39 (with full ASCII)
- Code 128 (Up to 80 characters, including Code 39 conversions)
- Code 93
- Interleaved 2 of 5
- Standard 2 of 5
- Codabar
- MSI/Plessey

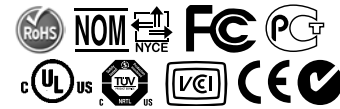
Please contact your Datalogic Scanning representative for other available symbologies.

Safety & Regulatory

Electrical: Gost R; TÜV; UL; cUL; NOM

Emissions: Complies to FCC; EN 55022; AS/NZS CISPR 22; VCCI; CNS 13438; ICES-003

Restriction of Hazardous Substances: Complies to EU RoHS



Other

EAS Compatibility: Integrated EAS hardware works with Checkpoint® Systems.



DATALOGIC™

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