

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 PSC or your PSC reseller for more information on this service.

Accessories:

- Tilting Riser Stand
- Fixed Mounting Plate

Mechanical

Dimensions	Scanner	Stand	Scanner with Stand
Height	8.3 cm / 3.3"	5.8 cm / 2.3"	14.0 cm / 5.5"
Width	7.1 cm / 2.8"	7.4 cm / 2.9"	7.4 cm / 2.9"
Length	9.5 cm / 3.7"	9.7 cm / 3.8"	9.7 cm / 3.8"
Weight	198 g / 7.0 oz	187 g / 6.6 oz	385 g / 13.6 oz

Environmental

Temperature rating

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

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

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

Shock: Multiple 1.2 M / 4'drops

Water & Dust resistance: IP52

Electrical

Operating Voltages

5.0V model ± 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: 100 line

Scan Rate: 1,000 digital scan lines/second

Single Line Activation: Optional Button

Scan Volume: 987 cm³ / 60 in³

Depth of Field: Please refer to table below

Minimum Resolution: 5 mil

Print Contrast: 25%

Roll: 0 — 360°

Pitch: ±65°

Yaw: ±75°

Ambient Light

Indoor: < 6,000 Lux / 557 foot candles

Outdoor: < 86,100 Lux / 7999 foot candles

DEPTH OF FIELD Range Comparisons	
LABEL DENSITY	RANGE
5 mil	0.64—445 cm / 0.50—1.75"
7.5 mil	0.64—5.72 cm / 0.25—2.25"
10 mil	0—12.7 cm / 0—5"
13 mil UPC	0—15.2 cm / 0—6"
20 mil	0—17.5 cm / 0—6.75"

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 PSC representative for other available symbologies.

Safety and Regulatory

Electrical: Gost R; TÜV; UL; cUL

Emissions: Complies to FCC; EN 55022; AS/NZS 3548; VCCI

Restriction of Hazardous Substances: Complies to EU RoHS



Other

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



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