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	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	7.0 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 ± 5%
7.0—12.0V model ± 5%
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 virtual scan lines/second
Single Line Activation: Optional Button
Scan Volume: 70.0 ³in / 178.0 ³cm
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 / 7,999 foot candles

DEPTH OF FIELD Range Comparisons	
LABEL DENSITY	RANGE
5 mil	0.50—1.75" / 0.64—4.45 cm
7.5 mil	0.25—2.25" / 0.64—5.72 cm
10 mil	0—5" / 0—12.7 cm
13 mil UPC	0—6" / 0—15.2 cm
20 mil	0—6.75" / 0—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 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

Other

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

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