

Magellan® 1400i

Omni-Directional Imaging Scanner



At A Glance



The included tilting stand allows each user to position the scan volume for optimal ergonomics.

FEATURES	BENEFITS
1100 digital scan lines per second	Increases checkout productivity and improves customer service by reducing the scan time especially on traditionally hard-to-read or damaged bar code labels: <ul style="list-style-type: none"> • Aggressive imaging performance • Intuitive operation • Reduces checker training • Speeds checkout for better customer service
Autodiscriminates PDF and ID barcodes	The checker has the freedom to scan both normal items and ID cards totally hands-free using the same peripheral device. <ul style="list-style-type: none"> • Separate "ID only" scanners are not needed • Simplifies and saves space at the point-of-sale • Handheld scanning is still available when needed
Omni-directional operation on all 1D barcodes	Allows the checker to use either a sweep or presentation style of scanning depending on the environment and the types of items: <ul style="list-style-type: none"> • Reduces checker training times • Speeds checkout for better customer service
Hands-free scanning or handheld scanning	Typical hands free scanning in either presentation or sweep styles or the checker can easily pick up the scanner to scan bulky or larger items: <ul style="list-style-type: none"> • Ergonomic design that matches the right scanning technique to the item to be scanned • Lots of overmolded rubber grip pads make handheld scanning easier • Reduces checker training • Speeds checkout for better customer service
Small size	Takes up very little valuable counter space: <ul style="list-style-type: none"> • Frees up additional revenue producing counter space • Allows hands of all sizes to comfortably hold the scanner when needed

Alternative PSC Solutions

- Magellan® 2200VS
- Magellan® 1000i
- QuickScan® QS6500BT
- QuickScan® QS6500
- QuickScan® QS2500

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Omni-Directional Imaging Scanner



Features:

- Aggressive imaging performance and intuitive operation reduces checker training and speeds checkout for better customer service
- Autodiscriminates PDF and 1D bar codes
- New imaging technology eliminates moving parts associated with laser scanners for improved reliability
- Targeted scanning mode for PLU Lists
- 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
- Textured rubber grip area and small size allow hands of all sizes to comfortably hold the scanner when needed
- Checkpoint® Systems EAS compatible
- 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 Light 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.

Mechanical

Dimensions (Scanner with Stand):

Height: 713" / 181 cm
Width: 3.23" / 8.2 cm
Length: 3.82" / 9.7 cm

Weight: 15.7 oz / 345.4 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%
8.0 – 14.0V model

Operating Current (idle): < 350mA

Operating Current (label read): < 450mA

Communications

- RS-232
- USB
- OEM USB
- Keyboard Wedge
- Wand Emulation
- IBM 46xx / RS-485

Optical

Scan Pattern: 100 line

Scan Rate: 1,100 (digital scan lines/second)

Single Line Activation: via button

Scan Volume: 80 in³ / 1311 cm³

Minimum Resolution: 5 mil

Print Contrast: 25%

Roll: 0 – 360°

Pitch: ±65°

Yaw: ±75°

Ambient Light

Indoor: < 557 foot candles / 6,000 Lux

Outdoor: < 7,999 foot candles / 86,100 Lux

Depth of Field: Please refer to table below

DEPTH OF FIELD Range Comparisons	
LABEL DENSITY	RANGE
5 mil	0.75 to 2.0' / 19 to 5.0 cm
6.6 mil (PDF)	1.5 to 3.0' / 38 to 7.6 cm
7.5 mil	0.5 to 4.0' / 13 to 10.2 cm
10 mil	0 to 6.0' / 0 to 15.2 cm
10 mil (PDF)	1.25 to 7.0' / 31 to 17.7 cm
13 mil (UPC)	0 to 8.0' / 0 to 20.3 cm
15 mil (PDF)	1.0 to 8.0' / 2.5 to 20.3 cm
20 mil	0 to 9.0' / 0 to 22.9 cm
Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.	

Data Sheet

Decoding Capability

The Magellan® 1400i omni-directional imaging scanner autodiscriminates between the following supported symbologies:

Retail Codes:

- EAN 8 & 13 with full expansion 8 to 13
- EAN/JAN two label
- JAN 8 & 13 with full expansion 8 to 13
- UCC/EAN 128
- 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)
- Italian Pharmacode
- PDF-417/Micro-PDF
- Reduced Space Symbology (RSS): RSS-14, RSS expanded, RSS Stacked (omni-directional), RSS Composites and RSS Limited
- 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; 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.

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