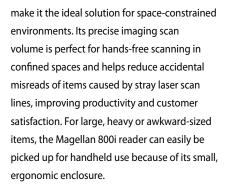# MAGELLAN™ 800i

◆DATALOGIC™

On-Counter Presentation Omnidirectional Bar Code Reader

The Magellan™ 800i omnidirectional presentation scanner is a versatile data collection tool for many applications. It uses Datalogic Scanning's latest digital imaging technology to provide intuitive and fast reading of 1D and 2D bar codes as well as supporting more advanced features like image capture and EAS tag deactivation. Despite its small size, the Magellan 800i reader provides big performance and reliability along with a rich feature set to provide excellent value in virtually any data collection system.

The Magellan 800i reader uses third generation Illumix™ intelligent illumination technology to optimize light levels for automatically reading bar codes from mobile phones and for capturing images. Illumix technology also provides incredible motion tolerance, exceeding other 2D scanning solutions, enabling both 'sweep' and 'presentation' style scanning techniques.

When space is limited but high performance is required, look no further than the Magellan 800i reader. Its compact size and footprint

make it the ideal solution for space-constrained environments. Its precise imaging scan volume is perfect for hands-free scanning in confined spaces and helps reduce accidental misreads of items caused by stray laser scan lines, improving productivity and customer satisfaction. For large, heavy or awkward-sized items, the Magellan 800i reader can easily be picked up for handheld use because of its small, ergonomic enclosure.

Like all Magellan bar code scanners, the Magellan 800i reader includes a powerful label editing tool which can parse or manipulate label data and also allows easy integration into existing or new host systems. The Magellan family of value added features (including Diagnostics Reporting, Host Download, and Advanced Label Editing) allow management to use valuable data from the scanner to improve throughput and manage maintenance. In addition, each Magellan 800i reader supports Remote Management Systems to streamline operations and ongoing support across an enterprise.

Improve your productivity and expand your data collection possibilities at the POS and beyond with the versatile Magellan 800i omnidirectional bar code reader.

Features
- Aggressive performance on 1D and 2D codes increases productivity
- Powerful Advanced Data Editing for custom host output
- No moving parts for improved reliability
- Illumix™ intelligent illumination technology for reading bar codes from mobile phones or laptops
- Ergonomically designed for hands-free or handheld operation
- Small footprint for easy installation into space constrained applications
- Precise imaging scan volume eliminates misreads caused by stray laser scan lines
- Configurable image capture mode to optimize host upload time
- Checkpoint Systems EAS and Interlock compatible

Specifications

DECODING CAPABILITY

1D / LINEAR CODES	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes
2D CODES	Aztec Code; Data Matrix; MaxiCode; QR Code
STACKED CODES	GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MicroPDF417; PDF417

ELECTRICAL

CURRENT	Operating (Typical): < 350 mA Standby/Idle (Typical): < 250 mA
INPUT VOLTAGE	5 VDC (+/- 10%)

ENVIRONMENTAL

AMBIENT LIGHT	Indoor: 0 to 6,000 lux; Outdoor: 0 to 86,000 lux
DROP RESISTANCE	Withstands repeated drops from 1.2 m / 4.0 ft onto a concrete surface
ESD PROTECTION (AIR DISCHARGE)	20 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 — RS-232; USB: OEM USB, USB COM, USB HID Keyboard, USB TEC

OPTIONAL FEATURES

EAS FEATURES	Checkpoint Systems: Integrated EAS hardware will work with Counterpoint IV, V, VI and VII models Sensormatic: Good Read Acknowledgement
VALUE ADDED FEATURES	Advanced Label Editing; Diagnostic Reporting; Host Download

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE	Black; White; Other colors and custom logo options are available for minimum quantity purchase.
DIMENSIONS	15.1 x 7.6 x 10.9 cm / 5.9 x 3.0 x 4.3 in
WEIGHT	306.2 g / 10.8 oz

READING PERFORMANCE

IMAGE CAPTURE	Optional: 752 x 480 pixels; Graphic Formats: JPEG
PRINT CONTRAST RATIO (MINIMUM)	25%
READING ANGLE	Pitch: +/- 60°; Roll (Tilt): 0 - 360°; Skew (Yaw): +/- 60°
READING INDICATORS	Beeper (Adjustable Tone and Volume); Good Read LED
RESOLUTION (MAXIMUM)	0.130 mm / 5 mils

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: 0 to 2.5 cm / 0 to 1.0 in 7.5 mils: 0 to 8.2 cm / 0 to 3.2 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 **2D Codes** 6.6 mils PDF417: 0 to 7.6 cm / 0 to 3.0 in 10 mils Data Matrix: 0.6 to 3.1 cm / 0.2 to 1.2 in 10 mils PDF417: 0 to 12.7 cm / 0 to 5.0 in 15 mils PDF417: 0 to 15.2 cm / 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 China RoHS; Complies to EU RoHS

UTILITIES

MAGELLAN™ OSP	Magellan On-Screen Programming (OSP) configuration software is available for download at no charge.
OPOS / JAVAPOS	JavaPOS Utilities are available for download at no charge. OPOS Utilities are available for download at no charge.
REMOTE HOST DOWNLOAD	Lowers service costs and improves operations.

WARRANTY — 3-Year Factory Warranty

Integrated stand tilts at +60º/-15º angles for optimal reading

Base can be secured to a counter or wall for fixed applications