# MAGELLAN™ 1500i OEM

DATALOGIC
EMPOWER YOUR VISION

## HIGH PERFORMANCE SCANNING IN THE PALM OF YOUR HAND

The Magellan 1500i OEM omnidirectional presentation scanner is a versatile and stylish addition to any point of sale or embedded application. With Datalogic's latest digital imaging technology, it seamlessly decodes both 1D and 2D bar codes on everything from printed product labels to mobile coupons, loyalty cards, tickets and boarding passes. The recessed, adaptive illumination optimizes light levels for both superior operator comfort and high performance sweep and presentation scanning.

With the addition of optional Digimarc® Barcode decoding, the Magellan 1500i OEM is the most capable scanner in its class.

## EASE OF USE

The Magellan 1500i OEM is ideally suited for applications where scanning performance is critical, improving user experience and productivity while also reducing frustration. Intuitive, 'at the window' performance make it easy for inexperienced users to find the scan area. The high performance Magellan 1500i OEM is especially suited for applications where codes are moving, or where codes need to be read from a mobile device. A user configurable beeper and Datalogic's patented Green Spot visual good read indicator provide reading confirmation even in a noisy environment or when audio feedback is not desired.

## EASE OF INTEGRATION

If you need aggressive, intuitive scanning for any embedded application, in an easy to integrate package, the Magellan 1500i OEM is ideal. The versatile mount for either horizontal or vertical surfaces facilitates easy mounting, while an industry standard, latching RJ45 provides secure connection. The integrated window means that the 1500i OEM can be mounted directly against the enclosure surface for a streamlined installation. A fully certified product simplifies your regulatory approval process and reduces compliance complexity.

## ENTERPRISE FEATURES

Remote Management is supported for OPOS, JavaPOS, Toshiba Remote Management with IBM Systems Director® and Wavelink® Avalanche®. Additional capabilities are available with the Value Added features included in every Magellan scanner.

## FEATURES

- Advanced digital imaging provides class-leading performance and reliability
- Seamlessly reads 1D and 2D bar codes, whether printed or displayed on mobile phone, laptop or tablets
- Optional Digimarc® Barcode decoding
- Subtle, adaptive illumination for user comfort
- Compact, ergonomic design is ideal for hands-free or hand held operations
- LED aimer for precision scanning of Price Look Up (PLU) lists or small items
- Datalogic's 'Green Spot' technology for good-read feedback
- Image capture
- Adjustable stand
- Available interfaces: RS-232 or USB, OEM
- Checkpoint® Systems EAS and Interlock Compatible
- Easily monitored and updated via Remote Management, Scanalyzer™ or programming guides
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI.

## INDUSTRY - APPLICATION

- Retail:
  - Point of Sale
  - Mobile Marketing
  - Age Verification
  - 2D bar codes
- Commercial Services:
  - Postal
  - Banks
  - Public Administration
  - Utilities
- Healthcare:
  - Patient Bedside Care
  - Laboratory
  - Pharmacy
  - Admittance, Accounting and Billing
- OEM:
  - Self Checkout
  - Customer Service Kiosk
  - Price Verification
  - Boarding Pass
  - Access Control
  - Admission Turnstiles
  - Parking Machines

GREEN SPOT    GS1    Scanalyzer    DATALOGIC 3 YEAR WARRANTY

# TECHNICAL SPECIFICATIONS

## DECODING CAPABILITY

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|---|---|
| **1D / Linear Codes** | Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes. |
| **2D Codes** | Aztec Code, Data Matrix, MaxiCode, QR Code |
| **Postal Codes** | Australian Post; British Post; Canadian Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Portuguese Post; Postnet; Royal Mail Code (RM4SCC); Swedish Post |
| **Stacked Codes** | GS1 DataBar Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; Micro PDF417, PDF417 |
| **Digital Watermarks** | Optional support for Digimarc® Barcodes/GS1 DW Code |

## ELECTRICAL

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| **Current** | Operating (Typical): < 500 mA<br>Standby/Idle (Typical): < 300 mA |
| **Input Voltage** | 5 VDC +/- 10% |

## ENVIRONMENTAL

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| **Ambient Light** | 0 to 86,100 lux |
| **Drop Resistance** | Withstands repeated drops from 1.2 m / 4.0 ft onto a concrete surface |
| **ESD Protection (air discharge)** | 25 kV |
| **Humidity (Non-Condensing)** | 5 - 95% |
| **Particulate and Water Sealing** | IP52 |
| **Temperature** | Operating: 0 to 40 °C / 32 to 104 °F<br>Storage/Transport: -40 to 70 °C / -40 to 158 ° |

## INTERFACES

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| **Interfaces** | USB Keyboard; USB COM; OEM (IBM) USB; RS-232 |

## PHYSICAL CHARACTERISTICS

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| **Colors Available** | Black |
| **Dimensions** | Wall Mount: 6.0 x 7.5 x 8.4 cm / 2.4 x 3.0 x 3.3 in |
| **Weight** | Wall Mount: 170 g / 6 oz |
| **Models Available** | Magellan 1503 |

## READING PERFORMANCE

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|---|---|
| **Aiming** | LED aimer for precision scanning |
| **Image Capture** | 1 MP; 1280 x 800 pixels;<br>Graphic Formats: JPEG, BMP |
| **Print Contrast Ratio (Minimum)** | 25% |
| **Reading Angle** | Pitch: +/- 65°; Roll (Tilt): 0 - 360°; Skew (Yaw): +/- 75° |
| **Reading Indicators** | Beeper (Adjustable Tone and Volume);<br>Datalogic 'Green Spot' Good Read Feedback;<br>Good Read LED |
| **Resolution (Maximum)** | 0.130 mm / 5 mils |

## READING RANGES

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|---|---|
| **Typical Depth of Field** | Printing resolution, symbol length, scan angle, contrast and ambient light dependent.<br>**1D / Linear Codes**<br>5 mils: 2.5 to 9.0 cm / 0.9 to 3.5 in<br>7.5 mils: 0 to 17.0 cm / 0 to 6.6 in<br>10 mils: 0 to 21 cm / 0 to 8.2 in<br>13 mils UPC: 0 to 25.0 cm / 0 to 9.8 in<br>20 mils: 1.0 to 30.0 cm / 0.4 to 11.8 in<br>**Optional Codes**<br>6.5 mils PDF: 2.5 to 11.0 cm / 0.9 to 4.3 in<br>13 mils Data Matrix: 0 to 17.0 cm / 0 to 6.7 in<br>16 mils PDF: 0 to 20.0 cm / 0 to 7.8 in<br>24 mils Data Matrix: 0 to 25.0 cm / 0 to 9.8 in |

## SAFETY & REGULATORY

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| **Agency Approvals** | The product meets necessary safety and regulatory approvals for its intended use.<br>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 |
| **LED Classification** | EN62471 and IEC62471 Lamp Illumination |

## UTILITIES

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| **Scanner Configuration** | Scanalyzer can be used for scanner configuration. 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

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|---|---|
| **Warranty** | 3-Year Factory Warranty |

For more information, contact OEM@datalogic.com