

# SPECIFICATIONS

# 1500 series scanner

Fast and reliable



|  |   | Linear Imager   | Laser  | 2D Imager   |
|--|---|---|--|---|
| Category                               | Corded  | 1500, 1500WA  | 1502   | 1504  |
|  | Bluetooth cordless  | 1560  | 1562   | 1564  |
| RF Communication of Bluetooth scanner  | Module  | Bluetooth Class 2 (2.4 GHz) Version 2.0   |  |   |
|  | Coverage  | 90 m <sup>1</sup> / 295 ft. line of sight   |  |   |
|  | Standard profile  | SPP, HID  |  |   |
| Performance                            | Optical sensor  | 2500 pixels   | Laser  | 752 x 480 pixels  |
|  | Light source  | Red LED 625 nm<br>(1500WA: Red LED 618-626 nm)  | Visible laser diode at 650 ± 15 nm   | 625 ± 5 nm LEDs (2x)  |
|  | Resolution  | 3 mil   | 4 mil  | 3 mil - 1D barcode / 5 mil - 2D barcode   |
|  | Depth of field<br>13 mil barcode  | 0.5 to 35 cm / 0.2 to 13.8 in.<br>(1500WA: long barcode 8.2 cm,<br>8 mil- 7.5 to 14.5cm / 3 to 5.7 in.)   | 2 to 57 cm / 0.8 to 22.4 in.   | Code 39 3 mil: 6.9 to 10.7 cm / 2.7 to 4.2 in.<br>Code 39 5 mil: 3.6 to 18.5 cm / 1.4 to 7.3 in.<br>Code 39 7.5 mil: 0 to 25.1 cm / 0 to 9.9 in.<br>UPCA 13 mil: 4 to 30.5 cm / 1.6 to 12 in.<br>Code 39 20mil: 0 to 50 cm / 0 to 19.7 in.<br>PDF417 5 mil: 2.8 to 4.5 cm / 1.1 to 1.8 in.<br>PDF417 6.67 mil: 4.8 to 17.5 cm / 1.9 to 6.9 in.<br>PDF417 10 mil: 0 to 22.9 cm / 0 to 9 in.<br>PDF417 15 mil: 0 to 29.7 cm / 0 to 11.7 in. |
|  | Scanning angle  | Pitch ± 70° Skew ± 70°  | Pitch ± 65° Skew ± 50°   | Pitch ±60° Skew±60°   |
|  | PCS   | Minimum 30%   | Minimum 45%  |   |
|  | Scan rate   | 200 scans, decodes / second<br>(1500WA: 100 scans / second)   | 100 scans / second   | 60 frames / second  |
|  | Ambient illumination  | 100,000 lux   |  |   |
|  | Hands-free scanning   | Auto-sense and continuous modes   | Continuous mode  | Auto-sense mode, continuous mode and presentation mode  |
|  | Barcodes support  | Codabar, Code 39, Code 93, Code 128, GS1 DataBar (RSS),<br>Industrial 2 of 5, Interleave 2 of 5, ISBT-128, Italian and French Pharmacodes,<br>Matrix 2 of 5, MSI, Plessey, Telepen, UPC/EAN/GS1-128, and more |  | 1D: All major codes <sup>2</sup><br>2D: PDF417, MicroPDF417, Composite, RSS,<br>TLC-39, Datamatrix, QR code, Micro QR code,<br>Aztec, MaxiCode<br>Postal Codes: US PostNet, US Planet,<br>UK Postal, Australian Postal,<br>Japan Postal Dutch Postal (KIX)  |
|  | Programmable features   | Data editing, interface selection, symbology configuration  |  |   |
|  | Language support  | US and UK English, French, Italian, Belgian, Norwegian/Swedish, Spanish, Portuguese, German, Japanese and Turkish   |  |   |
|  | Physical  | Dimension L x W x H   | 15.3 x 6.1 x 9.3 cm / 6.0 x 2.4 x 3.7 in.  |   |
| Weight<br>without cable / with battery |   | 145 g / 5.1 oz.<br>(1560: 173 g / 6.1 oz.)  | 1502: 149 g / 5.2 oz.<br>1562: 177 g / 6.2 oz.   | 1504: 154 g / 5.4 oz.<br>1564: 185 g / 6.5 oz.  |
| Color                                  |   | Black   |  |   |
| Switch                                 |   | Tactile Switch  |  |   |
| Electrical                             | Memory<br>for Bluetooth scanner<br>reserver buffer / batch mode   | 4 K / 512 K   |  | 10 K / 4 M  |
|  | Working hours<br>for Bluetooth scanner  | 24 / 12 hours<br>depending on the CCD Sensor mode setting<br>(Always Active function disabled/ Always Active function enabled, default setting)   | 24 hours<br>based on 1 scans / 5 seconds   | 16 hours<br>based on 1 scans / 5 seconds  |
|  | Voltage   | +5 V ±10% / 3.7 V 800 mAh Li-ion battery  |  |   |
|  | Power consumption <sup>3</sup><br>Standby / Operating   | 50 mA / 265 mA<br>(1560: 45 mA / 270 mA)  | 1502: 35 mA / 210 mA<br>1562: 25 mA / 210 mA   | 1504: 30 mA / 280 mA<br>1564: 35 mA / 230 mA  |
| User Environment                       | Temperature   | Operating: 0°C to 50°C / 32°F to 122°F Storage: -20°C to 60°C / -4°F to 140°F   |  |   |
|  | Humidity  | Operating: 10% to 90% Storage: 5% to 95%  |  |   |
|  | Impact resistance   | 1.5 m (4.9 ft) multiple drops onto concrete<br>(1560: 1.2 m (3.9 ft) multiple drops onto concrete)  | 1.2 m (3.9 ft) multiple drops onto concrete  |   |
|  | Ingress protection  | IP30  |  |   |
|  | Electrostatic discharge   | ±8 kV contact ±15 kV air  |  |   |
|  | EMC regulation  | 1500: BSMI, CE, C-tick, FCC, IC, MIC<br>1500WA: BSMI, CE, C-tick, FCC, IC<br>1560: BSMI, CE, C-tick, FCC, IC, KCC,<br>NCC, SRMC, TELEC  | 1502: CE, C-tick, FCC, IC<br>1562: BSMI, CE, C-tick, FCC, IC, KCC,<br>NCC, SRMC, TELEC | 1504: BSMI, CE, C-tick, FCC, IC<br>1564: BSMI, CE, C-tick, FCC, IC, NCC   |
| Configuration                          | Setup options include Windows-based ScanMaster software, by direct connection or printing out barcode settings  |   |  |   |
| Accessories                            | USB, RS232 and keyboard wedge cables,<br>Three-way desk/wall/auto-sense stand with optional weighted base, communication stand for Bluetooth scanner<br>provides Bluetooth communication for up to 7 scanners, single battery charger for Bluetooth scanner |   |  |   |

<sup>1</sup> It is based on communication stand without weighted base. <sup>2</sup> All of the barcodes that 1500 series 1D scanners can read except French Pharmacode, Plessey, and Telepen. <sup>3</sup> The data is tested with USB interface.

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