

**CIPHER LAB**  
Smarter

# 1500 series



## General Handheld Scanner

Bringing retail productivity and performance up to speed, the 1500 series of scanners offers powerful reliability with efficiency. Ideal for a wide range of applications from retail to healthcare and post offices, the 1500 scanner is not only advanced, but its ergonomic design also provides extreme durability – day in, day out.



# 1500 series

General Handheld Scanner

## 1500 Series Scanners from CipherLab

### Accelerate your business

Handheld scanners are much faster than human fingers. Pull the trigger and the work is done instantly: complete series, update inventories, check patient records, and record production line parts and activities. Handheld scanners accelerate work with error-free capture of critical information, keeping your company data up to date and up to the minute.

### Cut costs

CipherLab scanners are versatile, agile, and priced right for long-lasting value. Your company benefits from years of use, backed by a manufacturer honored in the industry for its innovative, reliable products and customer service. The 1500 series scanners capture data from regular to long barcodes with a choice of linear imager, 2D imager, or laser. Together with *Bluetooth*<sup>®</sup> cordless and corded applications, the 1500 series scanners help you run business more efficiently with improved operations.

### Go where the work takes you

The 1500 series includes wireless scanners to unleash workers, so they can go where the work is and get more done, in more places. Our 1500 series *Bluetooth*<sup>®</sup> scanners connect with the communication stand up to 90 meters (295 feet) away. Beyond that, they keep working by storing information until the scanner is back in range.



## Smart solutions with immediate payoffs

### Accelerate receiving with fast, reliable, low-cost CipherLab 1500 handheld scanners

European retail giant Valora deployed 1,100 CipherLab 1500 scanners to improve product receiving in its Swiss sales outlets.



“After performing extensive tests, it was clear that the CipherLab scanner performed much better than any of the other solutions. We had no previous experience with CipherLab and were positively surprised with its error-free scans, reliability, and the convincing value for money it offers.”

*Christian Wurger, Head of the Corporate IT Operation/ Support, Valora, Switzerland*

### Streamline tracking and delivery with wireless CipherLab *Bluetooth*<sup>®</sup> scanners

To ensure better tracking and delivery of mail and goods, Brazil's ECT, the largest post office in Latin America, relies on the flexibility and productivity of CipherLab *Bluetooth*<sup>®</sup> scanners.



“With the new scanners, employees can easily reach the items to scan. They can walk around outdoors and scan packages in the unloading/departing zones, allowing them to work faster and get more work done. And the database is always updated when they are back in wireless range.”

*Marcel Gomes, Complex Solutions Provider for ECT, Brazil.*

### Update stock and reply distribution requirements in real time with wireless CipherLab *Bluetooth*<sup>®</sup> scanners

To ensure accurate CD/DVD replenishment, ASDA/Wal-Mart combines the wireless connectivity of CipherLab *Bluetooth*<sup>®</sup> scanners and Smartphones/PDAs to instantly send stocking requirements to the distribution center.



“After searching worldwide for scanners with good communication capabilities, we found CipherLab *Bluetooth*<sup>®</sup> scanners with high-quality and reliable performance. CipherLab scanners not only provide real-time stocking updates, but also record deliveries made to the actual supermarkets, which improves the efficiency of our business operation.”

*Altaf Sadique, CEO, Gane Data LTD., United Kingdom*

[www.alcaic](http://www.alcaic)

# 1500 series

General Handheld Scanner

## 1500 Series Scanners from CipherLab

### Accelerate your business

Handheld scanners are much faster than human fingers. Pull the trigger and the work is done instantly: complete series, update inventories, check patient records, and record production line parts and activities. Handheld scanners accelerate work with error-free capture of critical information, keeping your company data up to date and up to the minute.

### Cut costs

CipherLab scanners are versatile, agile, and priced right for long-lasting value. Your company benefits from years of use, backed by a manufacturer honored in the industry for its innovative, reliable products and customer service. The 1500 series scanners capture data from regular to long barcodes with a choice of linear imager, 2D imager, or laser. Together with *Bluetooth*<sup>®</sup> cordless and corded applications, the 1500 series scanners help you run business more efficiently with improved operations.

### Go where the work takes you

The 1500 series includes wireless scanners to unleash workers, so they can go where the work is and get more done, in more places. Our 1500 series *Bluetooth*<sup>®</sup> scanners connect with the communication stand up to 90 meters (295 feet) away. Beyond that, they keep working by storing information until the scanner is back in range.



## Smart solutions with immediate payoffs

### Accelerate receiving with fast, reliable, low-cost CipherLab 1500 handheld scanners

European retail giant Valora deployed 1,100 CipherLab 1500 scanners to improve product receiving in its Swiss sales outlets.



“After performing extensive tests, it was clear that the CipherLab scanner performed much better than any of the other solutions. We had no previous experience with CipherLab and were positively surprised with its error-free scans, reliability, and the convincing value for money it offers.”

*Christian Wurger, Head of the Corporate IT Operation/ Support, Valora, Switzerland*

### Streamline tracking and delivery with wireless CipherLab *Bluetooth*<sup>®</sup> scanners

To ensure better tracking and delivery of mail and goods, Brazil's ECT, the largest post office in Latin America, relies on the flexibility and productivity of CipherLab *Bluetooth*<sup>®</sup> scanners.



“With the new scanners, employees can easily reach the items to scan. They can walk around outdoors and scan packages in the unloading/departing zones, allowing them to work faster and get more work done. And the database is always updated when they are back in wireless range.”

*Marcel Gomes, Complex Solutions Provider for ECT, Brazil.*

### Update stock and reply distribution requirements in real time with wireless CipherLab *Bluetooth*<sup>®</sup> scanners

To ensure accurate CD/DVD replenishment, ASDA/Wal-Mart combines the wireless connectivity of CipherLab *Bluetooth*<sup>®</sup> scanners and Smartphones/PDAs to instantly send stocking requirements to the distribution center.



“After searching worldwide for scanners with good communication capabilities, we found CipherLab *Bluetooth*<sup>®</sup> scanners with high-quality and reliable performance. CipherLab scanners not only provide real-time stocking updates, but also record deliveries made to the actual supermarkets, which improves the efficiency of our business operation.”

*Altaf Sadique, CEO, Gane Data LTD., United Kingdom*

[www.alcaic](http://www.alcaic)

# 1500 series

## General Handheld Scanner



|  |   | 1500P / 1500WA  | 1560P  | 1502                               | 1562   | 1504B   | 1504A                           | 1564A   |  |
|--|---|---|--|------------------------------------|--|---|---------------------------------|---|--|
| Category                               |   | Linear Imager   |  | Laser                              |  | 2D Imager   |                                 |   |  |
|  |   | Corded  | Bluetooth® Class 2 (2.4 GHz) Version 4.0+EDR | Corded                             | Bluetooth® Class 2 (2.4 GHz) Version 2.1+EDR | Corded  |                                 | Bluetooth® Class 2 (2.4 GHz) Version 4.0+EDR  |  |
| RF Communication of Bluetooth® scanner | Coverage  | --  | 90 m <sup>2</sup> / 295 ft. line of sight    | --                                 | 90 m <sup>2</sup> / 295 ft. line of sight    | --  |                                 | 90 m <sup>2</sup> / 295 ft. line of sight   |  |
|  | Standard profile  | --  | SPP, HID                                     | --                                 | SPP, HID                                     | --  |                                 | SPP, HID  |  |
| Performance                            | Optical sensor  | 2500 pixels   |  | Laser                              |  | 1280 x 800 pixels   | 752 x 480 pixels                |   |  |
|  | Light source  | Red LED 625 nm  | Red LED 618-626 nm                           | Visible laser diode at 650 ± 15 nm |  | White LED (2x)  | 625 ± 5 nm LEDs (2x)            |   |  |
|  | Resolution  | 3 mil   |  | 4 mil                              |  | 3 mil - 1D barcode / 5 mil - 2D barcode   |                                 |   |  |
|  | Depth of field  | Code 39 3 mil   | 6.9 to 10.7 cm / 2.7 to 4.2 in.              |                                    | Code 39 4 mil: 1 to 4 cm / 0.4 to 1.6 in.    |   | 3.5 to 9.5 cm / 1.4 to 3.7 in.  | 6.9 to 10.7 cm / 2.7 to 4.2 in.   |  |
|  |   | Code 39 5 mil   | 6 to 17 cm / 2.4 to 6.7 in.                  |                                    | 1 to 12 cm / 0.4 to 4.7 in.                  |   | 3.5 to 14.5 cm / 1.4 to 5.7 in. | 3.6 to 18.5 cm / 1.4 to 7.3 in.   |  |
|  |   | UPCA 13 mil   | 4 to 40 cm / 1.6 to 15.7 in.                 |                                    | 1.5 to 51.5 cm / 0.6 to 20.3 in.             |   | 6 to 34 cm / 2.4 to 13.4 in.    | 4 to 30.5 cm / 1.6 to 12 in.  |  |
|  |   | PDF417 5 mil  | --   |                                    | --   |   | 3 to 10.5 cm / 1.2 to 4.1 in.   | 7.1 to 11.4 cm / 2.8 to 4.5 in.   |  |
|  |   | QR Code 10 mil  | --   |                                    | --   |   | 2 to 16 cm / 0.8 to 6.3 in.     | 2.5 to 16.5 cm / 1.0 to 6.5 in.   |  |
|  | "Long barcode 8.2 cm, 8 mil"  | 1500P : 10 to 20 cm / 3.9 to 7.9 in<br>1500WA : 7.5 to 14.5 cm / 3 to 5.7 in  |  | --                                 |  | --  | --                              |   |  |
|  | Scanning angle  | Pitch ± 70° Skew ± 70°  |  | Pitch ± 65° Skew ± 50°             |  | Pitch ± 60° Skew ± 60°  |                                 |   |  |
|  | Minimum PCS   | 25% (1500WA: 30%)   |  | 45%                                |  | 30%   |                                 |   |  |
|  | Scan rate   | 520 scans/ second<br>(1500WA: 100 scans/ second)  |  | 100 scans/ second                  |  | 30 scans/ second  | 60 scans/ second                |   |  |
|  | Ambient illumination  | 100,000 lux   |  |                                    |  |   |                                 |   |  |
|  | Hands-free scanning   | Auto-sense and continuous modes   |  | Continuous mode                    |  | Auto-sense and presentation modes   |                                 |   |  |
|  | Barcodes support  | Codabar, Code 39, Code 93, Code 128, GS1 DataBar (RSS), Industrial 2 of 5, Interleave 2 of 5, ISBT-128, Italian and French Pharmacodes, Matrix 2 of 5, MSI, Plessey, Telepen, UPC / EAN / GS1-128, and more |  |                                    |  | 1D: All of the barcodes that 1500 series 1D scanners can support<br>2D: PDF417, MicroPDF417, DataMatrix, QR code, Micro QR code |                                 | 1D: All of the barcodes that 1500 series 1D scanners can support except French Pharmacodes, Plessey and Telepen<br>2D: PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode<br>Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, 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 without cable / with battery   | 1500P: 149 g / 5.2 oz.<br>1500WA: 145 g / 5.1 oz.   | 173 g / 6.1 oz.                              | 149 g / 5.2 oz.                    | 177 g / 6.2 oz.                              | 149g / 5.2 oz.  | 154 g / 5.4 oz.                 | 185 g / 6.5 oz.   |  |
|  | Color   | Black   |  |                                    |  |   |                                 |   |  |
|  | Switch  | Tactile Switch  |  |                                    |  |   |                                 |   |  |
| Electrical                             | Memory for Bluetooth® scanner receiver buffer / batch mode  | --  | 4 K / 512 K                                  | --                                 | 4 K / 512 K                                  | --  | --                              | 10 K / 4 MB   |  |
|  | Working hours for Bluetooth® scanner  | --  | 36 hours<br>based on 1 scan / 5 seconds      | --                                 | 24 hours<br>based on 1 scan / 5 seconds      | --  | --                              | 26 hours<br>based on 1 scan / 5 seconds   |  |
|  | Voltage   | +5 V ± 10% / 3.7 V 800 mAh Li-ion battery   |  |                                    |  |   |                                 |   |  |
|  | Power consumption <sup>2</sup> Standby / Operating  | 1500P: 20 mA / 286 mA<br>1500WA: 50 mA / 265 mA   | 20 mA / 250 mA                               | 35 mA / 210 mA                     | 25 mA / 210 mA                               | 50 mA / 280 mA  | 22mA / 150 mA                   | 22mA / 166 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)<br>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  |  |                                    |  |   |                                 |   |  |
|  | Regulatory Compliance   | BSMI, CE, RCM, FCC, IC  | BSMI, CE, RCM, FCC, IC, NCC, SRMC, JRL       | BSMI, CE, RCM, FCC, IC, KC         | BSMI, CE, RCM, FCC, IC, KC, NCC, SRMC, JRL   | BSMI, CE, RCM, FCC, IC, KC  |                                 | BSMI, CE, RCM, FCC, IC, KC, NCC, SRMC, JRL  |  |
| Configuration                          | Setup options include Windows®-based ScanMaster software, by direct connection or printing out barcode settings   |   |  |                                    |  |   |                                 |   |  |
| Accessories                            | USB, RS232 and keyboard wedge cables, hands-free adjustable stand, Three-way desk/wall/auto-sense stand with optional weighted base, communication stand for Bluetooth® scanner provides Bluetooth® communication for up to 7 scanners, single battery charger for Bluetooth® scanner |   |  |                                    |  |   |                                 |   |  |
| Warranty                               | 5 years   | 3 years   | 3 years (engine 1 year)                      |                                    | 3 years                                      | 3 years (engine 1 year)   |                                 |   |  |

1. It is based on communication stand without weighted base. 2. The data is tested with USB interface.



**HEADQUARTERS**  
**CipherLab Co., Ltd.**  
 12F, 333 Dunhua S. Rd., Sec.2  
 Taipei, Taiwan 10669  
 Tel +886 2 8647 1166  
 Fax +886 2 8732 3300  
 www.cipherlab.com

**CipherLab Electronics Trading (Shanghai) Co., Ltd.**  
 J Room, 4F, No.728 West Yan'an Rd.  
 Changning District, Shanghai  
 China 200050  
 Tel +86 21 3368 0288  
 Toll Free 400 920 0285  
 Fax +86 21 3368 0286

**CipherLab USA Inc.**  
 2552 Summit Avenue STE 400  
 Plano, Texas, USA 75074  
 Tel +1 469 241 9779  
 Toll Free 888 300 9779  
 Fax +1 469 241 0697

**CipherLab Europe**  
 Flight Forum 40,  
 5657 DB Eindhoven,  
 The Netherlands  
 Tel +31 40 295 1510