

# DCL1530

Barcode laser scanner

 **USB**

**Modem cradle**



### + Related products



#### DCL1531

- Data Collector
- Barcode laser scanner
- USB, IrDA
- Dry cell battery



#### OPL9724

- Data Collector
- Barcode laser scanner
- IrDA, Bluetooth
- 3 key operation



#### OPL9714

- Data Collector
- Barcode laser scanner
- GPS
- 3 key operation

## Operation

- CPU: 16-bit
- O/S: Proprietary
- Software: Programmable in C-language. Ansi-C Cross compiler obtainable. Software development kit free downloadable
- RTC: Supports year, month, day, hour, minute, second (leap year supported)

## Memory

- FlashROM: 512 kB
- RAM: 512 kB

## Display

- Type: Graphic LCD with backlight
- Size: 112 x 64 pixels
- Mode: Landscape / 180° rotation
- Font size: 6x6 / 6x12 / 8x8 / 8x16 dots

## Operating indicators

- Visual: 1 LED (red/green/orange)
- Non-visual: Buzzer

## Operating keys

- Entry options: 3 keys total, 2 function keys, 1 scan key

## Communication

- USB: MiniUSB, Ver. 1.1, VCP, USB-A connector
- IrDA: Ver. 1.2, baudrate 9600 bps - 115.2 kbps

## Power

- Dry cell battery: 2 x AAA, 1200mAh
- Backup battery: Lithium rechargeable 3.5mAh
- Operating time: Ca. 38 days (1 scan / 5 sec with 2 sec laserbeam on and 4 sec backlight on)
- Data retention time: Ca. 72 hours
- Charging method: Enclosed USB cable, separate cradle CRD1531

## Barcode scanner Optics

- Light source: 650 nm visible laser diode
- Scan method: Vibrating mirror
- Scan rate: 100 scans/sec
- Reading pitch angle: -25 to 0°, 0 to +25°
- Reading skew angle: -50 to -8°, +8 to +50°
- Reading tilt angle: -20 to 0°, 0 to +20°
- Curvature: R>15 mm (EAN8), R>20 mm (EAN13)
- Min. resolution at PCS 0.9: 0.15 mm / 6 mil
- Min. PCS value: 0.45
- Depth of field: At PCS 0.9, Code 39  
60 - 300 mm / 2.36 - 11.81 in (1.0 mm / 39 mil),  
35 - 210 mm / 1.38 - 8.27 in (0.5 mm / 20 mil),  
35 - 120 mm / 1.38 - 4.72 in (0.25 mm / 10 mil),  
35 - 70 mm / 1.38 - 2.76 in (0.15 mm / 6 mil)

## Supported Symbologies

- Barcode (1D): JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 DataBar (RSS), IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISSN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey
- Postal code: Chinese Post, Korean Postal Authority code
- 2D code: Composite Codes, MicroPDF417, PDF417

## Durability

- Temperature in operation: 0 to 40 °C / 32 to 104 °F
- Temperature in storage: -20 to 60 °C / -4 to 140 °F
- Humidity in operation: 25 - 85% (non-condensing)
- Humidity in storage: 20 - 90% (non-condensing)
- Ambient light immunity: Fluorescent 3,000 lx max, Direct sun 50,000 lx max
- Drop test: 1.5 m / 5 ft drop onto concrete surface
- Vibration test: 12 - 100 Hz with 2G for 1 hour
- Protection rate: IP

## Physical

- Dimensions (w x h x d):  
44 x 129 x 25 mm / 1.73 x 5.08 x 0.98 in
- Weight body: Ca. 105 g / 3.7 oz (incl. battery)
- Case: ABS, Lilacgrey

## Regulatory & Safety

- Product compliance: CE, FCC, VCCI, RoHS, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II

## Enclosed items

- 2 x AAA batteries
- USB cable
- Hand strap

## Sold separately

- CRD1531 Cradle: Modem communication
- DCL1500 Nylon case with swivel clip & window
- DCL1500 Nylon case with swivel clip
- DCL1500 Nylon case with fixed clip

Copyright Opticon. All rights reserved. This information is subject to change without prior notice. For availability, contact your local representative.

- **The Netherlands:** Hoofddorp  
- **France:** Issy Les Moulineaux  
- **Germany:** Dietzenbach  
- **Italy:** Castel Maggiore (BO)  
- **Spain:** Valencia  
- **Sweden:** Järfälla  
- **United Kingdom:** Luton, Bedfordshire  
- **U.S.A.:** Renton, WA  
- **Japan:** Warabi City

- **Taiwan:** Taipei  
- **P.R.China:** Shanghai  
- **Australia:** Kariiong  
- **Brazil:** São Paulo

Opticon Sensors Europe B.V  
European headquarters  
Opaallaan 35  
2132 XV Hoofddorp  
The Netherlands  
phone: +31 (0)23-5692700  
fax: +31 (0)23-5638266  
email: sales@opticon.com  
internet: www.opticon.com

**OPTICON**  
WWW.OPTICON.COM