Description

NOTIFICATION **DISCONTINUED** | *Alternatives can be found under the 'Related products' tab, or contact us for assistance.*
The information below is for reference purposes only.

1D barcode IrDA USB VCP-only IP54
Model : **Opticon DCL-1531 (11566)**
Groep : *Data collector - Data collector with keypad, display and USB interface*
Datasheet: Opticon DCL1531
Opticon DCL1531 is a small and lightweight data collector with a USB interface. This device is equipped with a real-time clock enabling each record to be tagged with a date and time stamp. The alphanumeric keypad provides easy data entry, which can be stored on the on-board memory.

Product Features

Easy data collection
After scanning a barcode with a speed of 100 scans per second, the collected data is stored on the on-board memory automatically. The LCD display allows easy readability of as many as 10 lines of information providing the user inside in the scanning process.

Communication occurs via a USB and IrDA interface. The IrDA interface permits cable free portability. The AAA alkaline batteries enable easy replacement at any location.
A cradle (CRD1531) is available to provide communication options.

Specifications

- Opticon DCL-1531 Barcode data collector with USB interface
- Article Number: 11566 Opticon DCL-1531-USB incl 2 x AAA / LR3 size Battery

Operation

- CPU: 16-bit
- O/S: Proprietary
- Software: Programmable in C-language. Ansi-C
- Cross compiler obtainable. Software developmentkit 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 / 180º rotation

- Font size: 6x6 / 6x12 / 8x8 / 8x16 dots

Operating indicators

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

Operating keys

- Entry options: 18 keys total
- 12 key (alpha)numeric keypad
- 2 function keys
- 3 control 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 0º, 0 to +25º
- Reading skew angle: -50 to -8º, +8 to +50º
- Reading tilt angle: -20 to 0º, 0 to +20º
- 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

- Supported 1D barcode Symbologies 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
- Supported 2D barcode Symbologies Composite Codes, MicroPDF417, PDF417

Durability

- Temperature in operation: 0 to 40 ºC / 32 to 104 ºF
- Temperature in storage: -20 to 60 ºC / -4 to 140 ºF
- 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

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

Warranty

- 2 year Manufacturer warranty / Fabrieks garantie

Downloads

Enclosed items

- 2 x AAA batteries **Article number : 90002**
- Hand strap **Article number : 10225**

Accessories
Sold separately

- CRD1531 Cradle: Modem communication
- Nylon case for OPL-97xx and DCL15xx Fixed clip **Article number : 10839**
- Nylon case for OPL-97xx and DCL15xx Swivel clip **Article number : 10838**
- Nylon case for OPL-97xx and DCL15xx Window Swivel clip **Article number : 11211**
- Universal Menubook **Article number : 10961**