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## Description

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 **NOTIFICATION DISCONTINUED** | Alternatives can be found under the 'Related products' tab, or contact us for assistance.

The information below is for reference purposes only.

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 1D barcode  IrDA  Bluetooth  IP54

Model : **Opticon OPL-9712 (11525)**

Groep : *Data collector - Data collector with keypad and Bluetooth*

Datasheet: [Opticon OPL9712](#)

Opticon OPL9712 is equipped with bluetooth interface and offers secure wireless communication. This model is provided with an alpha-numeric keypad and a graphical display. It is standard equipped with integrated barcode laser scanner, memory, a real-time clock and supplied with a rechargeable battery.

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## Product Features

### Bluetooth Interface

The Opticon OPL9712 uses the widely available and reliable Bluetooth wireless communication protocol which allows the scanned data to be instantly transmitted to any Bluetooth capable mobile device.

### Onboard Data Processing

The onboard memory stores applications that allow for real-time data manipulation before being transmitted to any Bluetooth enabled device. The Opticon OPL9712 also stores data in case the Bluetooth receiver moves out of range or is temporarily unavailable thus preventing data loss.

### Mobility at Hand

The small size and light weight of the Opticon OPL 9712 (4.4 cm width, 12.9 cm length, 105 grams / 1.73 in width, 5.08 in length, 3.7 ounces) creates an easy to use tool for mobile operations. With a configuration similar to a mobile phone, the Opticon OPL9712 requires minimal training which leaves end-users to focus on the business at hand, scanning barcodes with the option to enter any additionally required data.

### Data Transmission Choice

In the event Bluetooth is not a supported protocol, or there is no reliable Bluetooth signal in the operating area, the Opticon OPL-9712 provides the option to transmit data using IrDA via the charging cradle so that collected data will always be recorded.

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## Specifications

- Opticon OPL-9712 Barcode data collector with keypad and Bluetooth interface (**Project item**)
- Article number: 11525 Opticon OPL-9712 Bluetooth 512Kb incl battery pack

### Electrical specifications

- Main battery pack: Li-Ion rechargeable 3.7 V nom. 600 mAh
- Main battery pack operating time: Ca. 50 hrs (1 scan / 5 sec. without communication)

- Backup battery: Lithium rechargeable 3.5 mAh
- Backup battery operating time: Ca. 72 hours
- Charging method: The main battery in data collector will be charged through the cradle. The backup battery will be charged by the main battery.

### Optical specifications

- Light source: 650 nm visible laser diode
- Scan method: vibrating mirror
- Scan rate: 100 scans/sec
- Decode rate: 100 decodes/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 (view drawing)
- Depth of field: at PCS 0.9, Code 39
- 60 - 300 mm / 2.36 - 11.81 in (res. 1.0 mm / 39 mil),
- 35 - 210 mm / 1.38 - 8.27 in (res. 0.5 mm / 20 mil),
- 35 - 120 mm / 1.38 - 4.72 in (res. 0.25 mm / 10 mil),
- 35 - 70 mm / 1.38 - 2.76 in (res. 0.15 mm / 6 mil)

### Communication specifications

- Transmission speed IrDA: 2.4 - 115.2 kbps
- Details: Bluetooth Ver. 2.0, IrDA Ver. 1.2
- Frequency: 2.4 GHz
- Profile: GAP, SPP, DUN
- Operation range: depending on environment characteristics the prospective reach distance is 10 meters
- Connection mode: 1 to 1
- Operation mode: master, slave
- Low power mode: park, sniff, hold
- Security mode: authentication, encryption

### Identification

- Supported 1D barcode Symbolologies: JAN/UPC/EAN (WPC) incl. add on, Chinese Post, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISSN, Korean Postal Authority code, Matrix 2of5, MSI/Plessey-UK/Plessey, RSS, S-Code, Telepen, Tri-Optic, Composite codes
- Supported 2D barcode Symbolologies: MicroPDF417, PDF417 (if supported in application)

### Functionality

- Trigger mode: manual
- Memory FlashROM: 512 kB
- Memory RAM: 512 kB
- Microprocessor: 16-bit
- Real time clock: Quartz RTC, time and date programmable, leap year handling, (accuracy +/- 60 sec./month)
- Display: 112x64 Pixels graphic LCD
- Character fonts: min. 4 lines x 14 characters, max. 10 lines x 18 characters
- Keyboard: 18 keys total, 2 function keys, 1 scan key
- Keyboard mode: Alphanumeric

### Environmental specifications

- Temperature in operation: 0 to 40 °C / 23 to 104 °F
- Temperature in storage: -20 to 60 °C / -4 to 140 °F
- Humidity in operation: 20 - 85 % (non-condensing)
- Humidity in storage: 20 - 90 % (non-condensing)
- Ambient fluorescent light rejection: 3,000 lx max
- Ambient white light rejection: 3,000 lx max
- Ambient direct sun light rejection: 50,000 lx max
- Shock drop test: 1.5 m / 5 ft drop onto concrete surface
- Shock vibration test: 12 - 100 Hz with 2G for 1 hour
- Protection (dust and moisture, IEC529): IP 54

### Physical specifications

- Dimensions: 129 x 44 x 23 mm / 5.08 x 1.73 x 0.90 in (view drawing)

- Case material: ABS
- Weight body: Ca. 105 g / 3.7 oz

## Regulatory

- Laser safety class: JIS-C-6802 Class 1, IEC 60825-1 Class 1, FDA CDRH Class I
- Product compliance: CE, FCC, VCCI, RoHS
- R&TTE: EN 300-328, ETS 301-489

## Warranty

- 2 year Manufacturer warranty / Fabrieks garantie

## Downloads

## Enclosed items

- Rechargeable Battery pack 600 mAh **Article number : 10303**
- Handstrap for OPL-97xx **Article number : 10225**

## Accessories

Sold separately.

- CRD 9722: Single charging cradle **Article number : 10998**
- CRD 9723 RU: Single serial communication cradle **Article number : 10935**
- CRD 9723 RU1: Multibay cradle, 1x communication, 5x charging **Article number : 11099**
- CRD 9723 RU5: Multibay cradle, 5x communication, 5x charging **Article number : 11098**
- 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**