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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  USB  IP54

Model : **Opticon OPH-3000 (13166)**

Groep : *Handheld terminal - Portable terminal*

Datasheet: [Opticon OPH3000](#)

The Opticon OPH3000 is a new handheld terminal with an integrated barcode laser scanner. The Opticon OPH-3000 is equipped with a clear and easily readable graphic TFT LCD color display which enables the user to use the terminal in combination with advanced application programs.

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## Product Features

Other technical specifications of the OPH-3000 are 128 MB flash memory for intensive data collection applications and a curved scan head for comfortable scanning. The mini-USB connector offers flexible charging and communication possibilities.

### Highlights include:

- Portable laser barcode scanner – 100 scans/second
  - Memory - Nand flash: 128 MB flashROM: 4 MB Ram: 4 MB Sram
  - Programmable - free Opticon SDK enables solution providers to create customized scanning solutions
  - Compact size and weight – 55 mm W x 136 mm L x 23 mm D and 140 grams.
  - Batch scanner - stores data for later transfer via IrDA through a charging cradle (sold separately)
  - Offers graphical color LCD with adjustable backlight
  - Withstands drop of 1.5 meters to concrete
  - Features rugged IP54 rating – comprehensive sealing against dust and moisture
  - Delivers elegant design with soft grip for user comfort
  - Two-year warranty
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## Specifications

- Opticon OPH-3000 Portable Terminal
- Article number : 13166 Opticon OPH-3000 Portable Terminal

## Operation

- CPU: RX62N 32-bit MCU
- O/S: Proprietary
- Software: Programmable in C-language.
- Software development kit with compiler free downloadable
- RTC: Supports year, month, day, hour, minute, second (leap year supported)

## Memory

- Flashrom: 4 MB
- Sdram: 4 MB
- Nand Flash: 128 MB

## Display

- Type: TFT LCD QVGA color display with backlight
- Size: 2", 320 x 240 pixels
- Font Size: 6x6 / 6x12 / 8x8 / 8x16 / 12x24 dots

## Operating Indicators

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

## Operating Keys

- Entry options: 22 keys total, 12 key (alpha)numeric keypad, 4 navigation keys, 3 function keys, 1 control key, 1 power key, 1 scan key

## Communication

- USB: Mini USB, Ver. 2.0, VCP
- IRDA: Ver. 1.2, baudrate 1200 bps - 115.2 kbps

## Power

- Rechargeable Battery: Lithium-Ion 3.7V 1100mAh
- Backup Battery: Lithium (CR2032)
- Operating Time: Ca. 40 hours (backlight off, 1 scan / 10 sec)
- Data retention time: 24 hours
- Charging method: Enclosed USB cable

## Barcode Scanner Optics

- Light source: 650 nm visible laser diode
- Scan rate: 100 scans/sec
- Reading pitch angle: -25 to 0°, 0 to +25°
- Reading skew angle: -40 to -8°, +8 to +40°
- 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
- Depth of field: At PCS 0.9, 80 - 300 mm / 3.15 - 11.81 in (1.0 mm / 39 mil), 60 - 250 mm / 2.36 - 9.84 in (0.5 mm / 20 mil), 60 - 200 mm / 2.36 - 7.87 in (0.25 mm / 10 mil), 60 - 130 mm / 2.36 - 5.12 in (0.15 mm / 6 mil), 60 - 110 mm / 2.36 - 4.33 in (0.127 mm / 5 mil)

## Supported Symbolologies

- 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-ISMN-ISSN, Matrix 2of5, MSI/Plessey-UK/Plessey, S-Code, Telepen, Tri-Optic
- Postal code: Chinese Post, Korean Postal Authority code
- 2D code: GS1 Composite codes

## Durability

- Temperature in operation: -10 to 50°C / 14 to 122°F
- Temperature in storage: -20 to 60°C / -4 to 140°F
- Charging temperature: 0 to 40°C (32 to 104°F)

- Humidity in operation: 20 - 85% (non-condensing)
- Humidity in storage: 20 - 85% (non-condensing)
- Drop test: 1.5 m / 5 ft drop onto concrete surface
- Protection rate: IP 54

## Physical

- Dimensions (W X H X D): 58.2 x 180.8 x 23.8 mm / 2.29 x 7.12 x 0.94 in
- Weight body: Ca. 156 g / 5.5 oz (incl. battery)

## Regulatory & Safety

- Product compliance: CE, FCC, RoHS, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II, EN55022, EN55024

## Warranty

- 2 year Manufacturer warranty / Fabrieks garantie

## Downloads

- Windows drivers
- SDK software development kit for the OPH3000
- Appload to upload an application or an operating system
- OseComm utility to get data files from specified Opticon products
- Demo programma for OPH3000
- Firmware for the OPH3000

## Enclosed items

- Handstrap **Article number : 10225**
- USB cable **Article number :**

## Accessories

Sold separately.

- Rechargeable Battery: lithium-Ion 3.7V 1100mAh **Article number : 12025**
- Cradle **Article number : CLK-1**

**Let op: Wordt standaard zonder battery pack geleverd.**