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 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.

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

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 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-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℃ / 14 to 122℉
- Temprature in storage: -20 to 60℃ / -4 to 140℉
- Charging temperature: 0 to 40℃ (32 to 104℉)

- 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
<u>Sold separately</u>

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

<u>Let op: Wordt standaard zonder battery pack geleverd.</u>