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 barcodeIrDAIP54
Model   : **Opticon OPH-1004 (11979)**
Groep   : *Handheld terminal - Portable terminal*
Datasheet : <u>Opticon OPH1004</u>

Opticon OPH1004 is a very reliable and rugged portable terminal. The terminal accommodates 64 MB data memory for data storage during regular inventories and 16 MB of RAM.

Product Features

Data Collection Device
The high performance laser scanner from the Opticon OPH1004 provides a fast and accurate scan and is immediately ready for the next scan even when the barcodes are printed with low contrast or high density. The Opticon OPH1004 terminal transmits the data via IrDA (batch method), normally through the designated cradle that is developed for this product that acts as charging and communication device in the process of a proved and reliable data collection technology.

Designed for Versatile Environments
The housing of the Opticon OPH1004 is sealed to IP54 standards holding up well in environments where water and dust resistance is required. The Opticon OPH1004 scanner withstands multiple drops up to 1.5 meters (5 feet) onto concrete and the elegant design with soft grip provides the user comfort when handling this lightweight Opticon OPH1004 scanner.

Specifications

- Opticon OPH-1004 Portable Terminal
- Article number : 11979 Opticon OPH-1004 Portable Terminal

Electrical specifications

- Main battery pack: Lithium-Ion rechargeable (Opticon item)
- Backup battery: Lithium (CR 2032)
- Charging method: Recharging Lithium-Ion pack in terminal via cradle

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: -35 to 0°, 0 to +35°
- Reading skew angle: -50 to -8°, +8 to +50°

- Reading tilt angle: -20° to 0º, 0 to +20º
- Curvature: R>15 mm (EAN8), R>20 mm (EAN13)
- Min. PCS value: 0.45
- Depth of field (view drawing)
- Depth of field: at PCS 0.9, Code 39
- 70 - 450 mm / 2.76 - 17.72 in (res. 1.0 mm / 39 mil),
- 50 - 320 mm / 1.97 - 12.60 in (res. 0.5 mm / 20 mil),
- 50 - 200 mm / 1.97 - 7.87 in (res. 0.25 mm / 10 mil),
- 55 - 120 mm / 2.17 - 4.72 in (res. 0.15 mm / 6 mil)

Identification

- Supported 1D barcode Symbologies: 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-ISMN-ISSN, Korean Postal Authority code, Matrix 2of5, MSI/Plessey-UK/Plessey, RSS, S-Code, Telepen, Tri-Optic, Composite codes
- Supported 2D barcode Symbologies: MicroPDF417, PDF417

Functionality

- Memory FlashROM: 4 MB
- Memory NAND Flash: 64 MB
- Memory RAM: 16 MB
- Microprocessor: ARM7, 32-bit
- Real time clock: Quartz RTC, time and date programmable, leap year handling, (accuracy +/- 60 sec./month)
- Display: 128 X 128 Pixels graphic LCD with adjustable backlight
- Character fonts: min. 10 characters x 5 lines, max. 21 characters x 21 lines, font size 6x6 / 6x12 / 8x8 / 8x16 / 12x24
- Indicators: Dual-color scanning indication (red/green), buzzer
- Keyboard: 23 keys total (12 keys alphanumeric keypad, 4 function keys, 2 navigation buttons, 1 power button, 3 control keys, 2 quick keys, 1 scan button)
- Operating System: proprietary
- Programming: C-language (free downloadable software development kit)

Environmental specifications

- Temperature in operation: -10 to 50 °C / 14 to 122 °F
- Temperature in storage: -10 to 60 °C / 14 to 140 °F
- Ambient fluorescent light rejection: 4,000 lx max.
- Ambient white light rejection: 4,000 lx max.
- Ambient direct sun light rejection: 80,000 lx max.
- Shock drop test: 1.5 m / 5 ft drop onto concrete surface
- Protection (dust and moisture, IEC529): IP 54

Physical specifications

- Dimensions: 136 x 55 x 23 mm / 5.35 x 2.17 x 0.91 in (view drawing)
- Weight body: Ca. 140 g / 4.9 oz

Regulatory

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

Warranty

- 2 year Manufacturer warranty / Fabrieks garantie

Downloads

- C-Library **Article number : C-Library**
- Windows drivers
- SDK software development kit for the OPH1004
- Appload to upload an application or an operating system
- Neto32 utility to get data files from specified Opticon products
- Firmware for the OPH1004
- Demo programma for OPH1004
- SpeedGen Application Generator

Enclosed items

- Rechargeable Battery **Article number : 12025**
- Handstrap **Article number : 10225**

Accessories

<u>Sold separately</u>

- CRD 1001 Serial connection **Article number : 11590**
- CRD 1002 Modem connection **Article number : 11600** (project cradle)
- CRD 1003 GSM connection **Article number : 11601** (project cradle)
- CRD 1004 Ethernet connection **Article number : 12589**
- Nylon holster OPH1004 **Article number : 10894**
- Nylon case OPH1004 Fixed clip **Article number : 10899**
- Nylon case OPH1004 Swivel clip **Article number : 10896**