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 barcodeIrDABluetoothIP54

Model   : **Opticon OPL-9724 (10996)**
Groep   : *Data collector - Data collector with display and Bluetooth*
Datasheet: Opticon OPL9724

Opticon OPL9724 is equipped with Bluetooth interface and offers secure wireless communation. This model is equipped with 3 keys and a graphical display, integrated barcode laserscanner, 128 kB memory, a real-time clock and supplied with a rechargeable battery.

Product Features

The Opticon OPL9724 LCD display allows easy readability of as many as 10 lines of information. Three-key operation permits user definable functions to be created and stored to simplify repetitive tasks.

Wireless communication
The Opticon OPL9724 features IrDA and Bluetooth wireless communication, which permits cable free portability. Collect your information in a remote location such as a store or warehouse and return to your desired device such as a PDA or mobile printer for wireless download of your data via IrDA or Bluetooth.

Various cradles are available providing different communication and charging options. The IrDA interface within the cradle allows data transfer when the scanner is inserted for charging. The multiple station cradle permits charging of up to 5 terminals simultaneously.

Specifications

- Opticon OPL-9724 Barcode data collector with Bluetooth interface **(Project item)**
- Article number: 10996 Opticon OPL-9724 Bluetooth incl battery pack
- Former Article number: A732C0R0010

Electrical specifications

- Main battery pack: Li-Ion rechargeable 3.7 V nom. 600 mAh
- Backup battery: Lithium rechargeable 3.5 mAh
- Backup battery operating time: > 1 week backup
- Battery management: When battery is low the data collector switches off automatically.
- 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 visiblelaser diode
- Scan method: vibrating mirror
- Scan rate: 100 scans/sec

- Decode rate: 100 decodes/sec
- Reading angle: effective 44º
- 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 (view drawing)
- Depth of field: at PCS 0.9, UPC
- 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

- Interface IrDA: supported
- Interface Bluetooth: supported (see wireless communication specifications)
- Transmission speed IrDA: baudrate: 2.4 - 115.2 kbps
- Frequency: 2.4 GHz
- Profile: Bluetooth: GAP, SPP, DUN
- Operation range: up to 10 meters, depending on environment characteristics
- Connection mode: 1 to 1
- Operation mode: master, slave
- Low power mode: park, sniff, hold
- Security mode: authentication, encryption

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-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 (if supported in application)

Functionality

- Trigger mode: manual
- Memory FlashROM: 512 kB (O/S and program)
- Memory RAM: 128 kB (data storage)
- 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: 3 keys total, 2 function keys, 1 scan key
- Programming: Functionality is provided by user application.

Environmental specifications

- Temperature in operation: -5 to 40 ºC / 23 to 104 ºF
- Temperature in storage: -20 to 60 ºC / -4 to 140 ºF
- Humidity in operation: 20 - 80 % (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 vibration test: 12 - 100 Hz with 2G for 1 hour
- Protection (dust and moisture, IEC529): IP 54

Physical specifications

- Dimensions: 125 x 44 x 19 mm / 4.92 x 1.73 x 0.75 in (view drawing)
- Case material: ABS
- Weight body: ca. 85 g / 3 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 300-826

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
<u>Sold separately</u>

- 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**