

The OPL 9724 is equipped with Bluetooth interface and offers secure wireless communication. This model is equipped with 3 keys and a graphical display, integrated barcode laser scanner, 128 kB memory, a real-time clock and supplied with a rechargeable battery.

DATA COLLECTOR

OPL 9724

Barcode data collector with Bluetooth interface



Features

- Bluetooth interface
- SPP and DUN profiles supported
- Three buttons operation
- LCD display
- Small size and light weight
- Flash ROM and RAM memory

Benefits

- Enables wireless communication
- Allows easy connection to mobile phones and PDA's
- Plain and simple navigation
- Clear overview
- Easy to carry
- Provides program and data storage

Cabled

Wireless

Stationary

OEM

OPTICON
always scanning for new ID's

Specifications

OPL 9724 Barcode data collector with Bluetooth interface

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 visible laser diode
Scan method: vibrating mirror
Scan rate: 100 scans/sec
Decode rate: 100 decodes/sec
Reading angle: effective 44°
Reading pitch angle: +8 - +50° / -8 - -50°
Reading skew angle: ± 35°
Reading rotation angle: 20°
Reading width: 45 - 320 mm, depending on reading distance and bar code label resolution
Min. Resolution at PCS 0.9: 0.15 mm (6mil)
Min. PCS value: 0.45
Depth of field: 60 - 300 mm (UPC PCS0.9, resolution 1.00), 35 - 210 mm (UPC PCS0.9, resolution 0.5), 35 - 120 mm (UPC PCS0.9, resolution 0.25), 35 - 70 mm (UPC PCS0.9, resolution 0.15)

Identification

Supported barcode symbologies (1D): Chinese Post - Codabar incl. ABC and CX - Code 39 - Code 39 Full ASCII - Code 93 - Code 128 - EAN-8 incl. +2,+5 - EAN-13 incl. +2,+5 - EAN-128 - IATA - Industrial 2of5 - Interleaved 2of5 - Italian Pharmaceutical - ISBN - ISSN - Matrix 2of5 - MSI/Plessey - UK/Plessey - RSS-14 - RSS Limited - RSS Expanded - Telepen - UPC-A incl. +2,+5 - UPC-E incl. +2,+5
Optional symbologies: MicroPDF417 - PDF417 (if supported in application)

Functionality

Trigger mode: manual by trigger key
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 (user definable)
Keyboard function keys: 2 function keys
Programming: Functionality is provided by user application.

Communication specifications

Details: Frequency 2.4 GHz
Profile: Bluetooth: GAP, SPP, DUN
Operation range: depending on environmental 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
Interface IrDA: supported
Interface Bluetooth: supported (see wireless communication specifications)
Transmission speed IrDA: baudrate: 2400 - 115200 bps

Environmental specifications

Temperature in operation: -5 - +40 °C
Temperature in storage: -20 - +60 °C
Humidity in operation: 20 - 80 % (non condensing)
Humidity in storage: 20 - 90 % (non condensing)
Ambient fluorescent light immunity: 3.000 lux max
Ambient white light immunity: 3.000 lux max
Ambient direct sun light immunity: 50.000 lux max
Shock drop test: 1.5 m 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: (l x w x d) 125 x 42 x 19 mm
Case material: ABS
Weight body: < 85 g

Regulatory

Laser safety class: IEC 825, Class I laser product
EMC: EN 55022, EN 55024
R&TTE: EN 300-328, ETS 300-826

- **The Netherlands:** Hoofddorp
- **France:** ISSY Les Moulineaux CEDEX
- **Germany:** Mainhausen
- **Italy:** Castel Maggiore (BO)
- **Spain:** Valencia
- **Sweden:** Järfälla
- **United Kingdom:** Luton, Bedfordshire
- **U.S.A.:** Orangeburg
- **Japan:** Warabi City
- **Taiwan:** Taipei
- **P.R.China:** Shanghai
- **Australia:** Lane Cove

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