

This model is equipped with an alpha-numeric keypad and a graphical display. It is standard equipped with integrated barcode laser scanner, memory, a real-time clock and supplied with a rechargeable battery.

DATA COLLECTOR

# OPL 9728

Barcode data collector with keypad and IrDA interface



## Features

- Keypad with cellphone look and feel
- LCD display
- Small size and light weight
- Flash ROM and RAM memory
- IrDA interface

## Benefits

- Less instructions required
- Clear overview
- Easy to carry
- Provides program and data storage
- Optical data transmission to cradle

Cabled

Wireless

Stationary

OEM

**OPTICON**  
always scanning for new ID's

# Specifications

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### Electrical specifications

Main battery pack: Li-Ion rechargeable 3,7 V / nom. 600 mAh

Main battery pack operating time: When making every 5 seconds 1 scan with Backlight OFF, 1 sec laserbeam on and 0.2 sec. green LED on and 0.2 sec. buzzer on, operating time is: approx. 45 hours

Main battery condition: Different operation conditions affect the operating time

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: 512 kB (data storage) / optional 1MB

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 : 18 keys total

Keyboard function keys: 2 function keys

Keyboard mode: Alpha/Numeric mode

Programming: Functionality is provided by user application.

### 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

### Physical specifications

Dimensions: (l x w x d) 129 x 44 x 22.3 mm

Case material: ABS

Weight body: ca. 100 g

### Regulatory

Laser safety class: IE C825, Class I laser product

EMC: EN 55022, EN 55024

- **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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always scanning for new ID's