

OPL 9712

Barcode data collector with keypad and Bluetooth interface



The OPL 9712 is a pocket-sized data collector with a Bluetooth interface. It is the ideal tool for data collection when data entry via keypad is required in addition to scanning barcodes.

Product Features

Bluetooth Interface

The OPL 9712 uses the widely available and reliable Bluetooth wireless communication protocol which allows the scanned data to be instantly transmitted to any Bluetooth capable mobile device.

Onboard Data Processing

The onboard memory stores applications that allow for real-time data manipulation before being transmitted to any Bluetooth enabled device. The OPL 9712 also stores data in case the Bluetooth receiver moves out of range or is temporarily unavailable thus preventing data loss.

Mobility At Hand

The small size and light weight of the OPL 9712 (1.73 in width, 5.08 in length, 3.7 ounces / 4.4 cm width, 12.9 cm length, 105 grams) creates an easy to use tool for mobile operations. With a configuration similar to a mobile phone, the OPL 9712 requires minimal training which leaves end-users to focus on the business at hand; scanning barcodes with the option to enter any additionally required data.

Data Transmission Choice

In the event Bluetooth is not a supported protocol, or there is no reliable Bluetooth signal in the operating area, the OPL 9712 provides the option to transmit data using IrDA via the charging cradle so that collected data will always be recorded.

Onboard Data Backup

Scanned data is stored onboard the OPL 9712 in case the Bluetooth receiver moves out of range or is temporarily down thus preventing data loss as well time lost trying to retrace steps. Doing tasks once is the most efficient way to do the job and the OPL 9712 enables users to do just that.

Cabled

Mobile

Stationary

OEM

OPTICON
always scanning for new ID's

Specifications: OPL 9712 Wireless Laser Scanner

Electrical

Main battery pack:	Li-Ion rechargeable 3.7 V nom. 600 mAh
Main battery pack operating time:	Ca. 50 hrs (1 scan / 5 sec. without communication)
Backup battery:	Lithium rechargeable 3.5 mAh
Backup battery operating time:	Ca. 72 hours
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

Light source:	650 nm visible laser diode
Scan method:	vibrating mirror
Scan rate:	100 scans/sec
Decode rate:	100 decodes/sec
Reading pitch angle:	-25° to 0°, 0 to +25°
Reading skew angle:	-50 to -8°, 8 to 50°
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
Min. PCS value:	0.45
Depth of field at PCS 0.9 Code 39:	60 - 300 mm / 2.36 - 11.81 in (Res. 1.00 mm / 39mil) 35 - 210 mm / 1.38 - 8.27 in (Res. 0.50 mm / 20 mil) 35 - 120 mm / 1.38 - 4.27 in (Res. 0.25 mm / 10 mil) 35 - 70 mm / 1.38 - 2.76 in (Res. 0.15 mm / 6 mil)

Symbologies

1D:	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
2D:	MicroPDF417, PDF417 (if supported in application)

Functionality

Trigger mode:	Manual
Memory FlashROM:	512 kB
Memory RAM:	512 kB
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, 2 function keys, 1 scan key
Keyboard mode:	Alphanumeric

Communication

Transmission speed IrDA:	2.4 - 115.2 kbps
Details:	Bluetooth Ver. 2.0, IrDA Ver. 1.2
Frequency:	2.4 GHz
Profile:	GAP, SPP, DUN
Operation range:	depending on environment 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 with encryption

Environmental

Operating temperature:	0 to 40 °C / 23 to 104 °F
Storage temperature:	-20 to 60 °C / -4 to 140 °F
Operating humidity:	20 - 85 % (non-condensing)
Storage humidity:	20 - 90 % (non-condensing)
Ambient light immunity:	3,000 lx (fluorescent) 3,000 lx (incandescent) 50,000 lx (sunlight)
Shock drop test:	1.5 m / 5 ft onto concrete surface
Shock vibration test:	12 - 100 Hz with 2G for 1 hour

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- USA: Orangeburg, NY - Renton, WA
- Japan: Warabi City
- The Netherlands: Hoofddorp
- France: ISSY Les Moulineaux CEDEX
- Germany: Dietzenbach
- Italy: Castel Maggiore (BO)
- Spain: Valencia
- Sweden: Järfälla
- United Kingdom: Luton, Bedfordshire
- Taiwan: Taipei
- P.R. China: Shanghai
- Australia: Kariiong

Protection (dust and moisture, IEC529): IP 54

Physical

Dimensions:	129 x 44 x 23 mm / 5.08 x 1.73 x 0.90 in
Case material:	ABS
Weight body:	Ca. 105 g / 3.7 oz

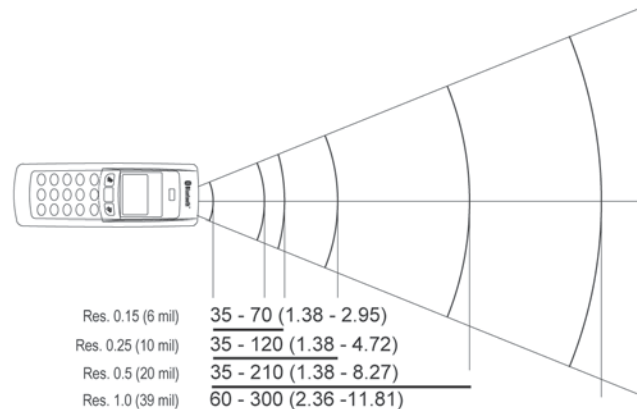
Regulatory

Laser safety class:	JIS-C-6802 Class 1, IEC 60825-1 Class 1, FDA CDRH Class 1
Product Compliance:	CE, FCC, VCCI, RoHS
R&TTE:	EN 300-328, ETS 301-489

Typical performance based on good quality symbols in normal room temperature and light conditions.

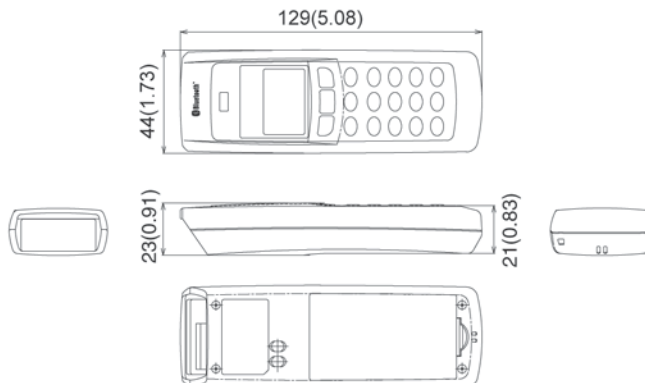
Depth of field

Unit: mm (in)



Dimensions

Unit: mm (in)



Enclosed Items

Backup Battery, Handstrap

Accessories (sold separately)

- CRD 9722: Single charging cradle
- CRD 9723 RU: Single serial communication cradle
- CRD 9723 RU1: Multibay cradle, 1x communication, 5x charging

Version:

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