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 barcode PDF417 and MicroPDF417 (by application) IrDA GPS IP54

OPL 9713
Barcode data collector with GPS

Datasheet : OPL-9713

Special on this product is the integrated GPS module. This allows to record the geographical position with barcode data. Typically, this type of barcode data collector combines 3 types of registrations; article(person) identification by barcode, time stamp and position tracking by GPS receiver.

Product Features

Global Positioning System (GPS) receiver
Worldwide coordinates 24 hrs / 7 days available

One button operation
Plain and simple use

Small size and light weight
Easy to carry

IrDA interface
Optical data transmission to cradle

Flash ROM and RAM memory
Provides program and data storage

Laser scanner, GPS, realtime clock
3-in-1 Registration

Specifications

- OPL9713 Barcode data collector with GPS
- Article number

Electrical specifications

- Main battery pack: Li-Ion rechargeable 3.7 V / nom. 600 mAh
- Main battery pack operating time: Ca 30 hours (1 GPS fix at good signal quality / 5 min, 1 scan / 10 min), ca. 5.5 hours (GPS continuously, 1 scan / 2 min). Different operation conditions affect the operating time
- Backup battery: Lithium rechargeable 3.5 mAh
- Backup battery operating time: > 1 week backup
- 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 to -50° / +8 to +50°
- Reading skew angle: -25 to 0º, 0 to +25º
- Reading tilt angle: 20°
- 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 PCS0.9 Code 39
- 60 - 300 mm / 2.36 - 11.81 in (res. 1.00 mm / 39 mil),
- 35 - 210 mm / 1.18 - 8.27 in (res. 0.5 mm / 20 mil),
- 35 - 120 mm / 1.18 - 4.72 in (res. 0.25 mm / 10 mil),
- 35 - 70 mm / 1.18 - 1.38 in (res. 0.15 mm / 6 mil)

Communication specifications

- Interface IrDA: baudrate: 2.4 - 115.2 kbps
- Interface GPS: NMEA 0183, SiRF Star III, 9.6 kbps

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: 512 kB (data storage)
- Microprocessor: 16-bit
- Real time clock: Quartz RTC, time and date programmable, leap year handling, (accuracy +/- 60 sec./month)
- Keyboard: 1 scan key
- Programming: Functionality is provided by user application.

Environmental specifications

- Temperature in operation: 0 to +40 °C / +23 to +104 °F
- Temperature in storage: -20 to +60 °C / -4 to +140 °F
- 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 drop test: 1.5 m / 5 ft 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: 129 x 44 x 26 mm / 5.08 x 1.73 x 1.02 in (view drawing)
- Case material: ABS
- Weight body: Ca. 120 g / 4.2 oz (incl. battery)

Regulatory

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

Warranty

- 2 year Manufacturer warranty / Fabrieks garantie

Enclosed items

- Rechargeable Battery pack 600 mAh **Article number : 10303**
- Handstrap for OPL-97xx **Article number : 10225**

Accessories
Sold separately

- 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**
- CRD 9726: Modem cradle **Article number : 11592**
- CRD 9727: GSM cradle **Article number : 11588**