



IrDA

Serial cradle

Modem cradle

GSM cradle

# PX25

2D CMOS imager



### + Related products

#### OPL9712

- Data Collector
- Barcode laser scanner
- IrDA, Bluetooth



#### PHL7254

- Windows CE
- 2D CMOS imager
- Bluetooth, W-LAN (WiFi), GSM/GPRS, serial connector
- IP 54, Full keypad



#### • OPI2002

- Cabled device
- 2D CMOS imager
- RS232, Keyboard Wedge, USB



## Operation

- CPU: 32-bit
- O/S: Proprietary
- Software: Programmable in C-language. Software development kit with WinARM compiler free downloadable
- RTC: Supports year, month, day, hour, minute, second (leap year supported)

## Memory

- FlashROM: 4MB
- RAM: 2 MB SRAM

## Display

- Type: Graphic LCD with backlight
- Size: 112 x 64 pixels
- Mode: Landscape / 180° rotation
- Font size: 6x6 / 6x12 / 8x8 / 8x16 dots

## Operating indicators

- Visual: 1 LED (red/green/orange)
- Non-visual: Buzzer

## Operating keys

- Entry options: 18 keys total, 12 key (alpha)numeric keypad, 2 function keys, 3 control keys, 1 scan key

## Communication

- IrDA: Ver. 1.2, baudrate 9600 bps - 115.2 kbps
- Bluetooth: Ver. 1.2, HID, SPP, range up to 10 m, 1 to 1 connection, master/slave mode, authentication and encryption

## Power

- Rechargeable battery: Lithium-Ion 3.7 V nom. 1880 mAh
- Backup battery: Rechargeable manganese silicon lithium battery 3.4 mAh
- Operating time: Ca. 25 hrs (1 scan / 5 sec. incl. communication)
- Data retention time: Ca. 72 hours
- Charging method: Separate cradle CRD9722/CRD9723RU, separate power supply

## 2D Imager Optics

- Light source: Illumination 4 red LEDs 630 nm, aiming 2 green LEDs 527 nm
- Scan method: CMOS area sensor, SXGA (1.3 million pixels), gray scale
- Scan rate: Up to 30 fps
- Trigger mode: Manual, multiple read
- Reading pitch angle: -50 to 0°, 0 to +50°
- Reading skew angle: -60 to 0°, 0 to +60°
- Reading tilt angle: 360°
- Focal plane: 85 mm / 3.35 in from window
- Curvature: R>15 (EAN8), R>20 (EAN13)
- Min. resolution at PCS 0.9: 0.1 mm / 4 mil
- Min. PCS value: 0.45
- Field of view: Horizontal: 47°, Vertical: 37.5°
- Depth of field: At \*PDF417\* and Code 39  
\*40 - 140 mm / 1.57 - 5.51 in (0.399 mm / 13 mil)\*,  
\*55 - 90 mm / 2.17 - 3.54 in (0.127 / 5 mil)\*,  
35 - 110 mm / 1.38 - 4.33 in (0.25 / 10 mil),  
60 - 80 mm / 2.36 - 3.15 in (0.1 / 4 mil)

## Supported Symbologies

- Barcode (1D): JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 DataBar (RSS), IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISSN-ISMN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey
- Postal code: Chinese Post, Intelligent Mail Barcode, Korean Postal Authority code, Postal JPN, POSTNET
- 2D code: Aztec Code, Aztec Runes, Composite codes, Codablock F, Data Matrix, (ECC200/ECO-140), Maxi Code (mode 2~5), MicroPDF417, Micro QR Code, PDF417, QR code

## Durability

- Temperature in operation: -5 to 40 °C / 23 to 104 °F
- Temperature in storage: -20 to 60 °C / -4 to 140 °F
- Humidity in operation: 20 - 85 % (non-condensing)
- Humidity in storage: 20 - 85 % (non-condensing)
- Ambient light immunity: Fluorescent 10,000 lx max, Direct sun 100,000 lx max
- Drop test: 1.5 m / 5 ft drop onto concrete surface
- Protection rate: IP 42

## Physical

- Dimensions (w x h x d): 44 x 140 x 26 mm / 1.73 x 5.51 x 1.02 in
- Weight body: Ca. 130 g / 4.6 oz (incl. battery)
- Case: ABS, Black

## Regulatory & Safety

- Product compliance: CE, FCC, VCCI, EN 300-328, ETS 301-489, RoHS

## Enclosed items

- Rechargeable battery
- Hand strap

## Sold separately

- CRD9722 single charging cradle
- CRD9723RU single charging and communication cradle
- Power supply 6V/2A (for battery charging)

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