OPTICON

Data Collectors

PX35

2D CMOS imager with auto-focus

Bluetooth™

IrDA

Serial cradle

+ Related products

OPL9712
- Data Collector
- Barcode laser scanner
- IrDA, Bluetooth

H21
- Windows Mobile
- 2D CMOS imager & Color camera
- Bluetooth, W-LAN (WiFi), GPRS/ EDGE/3G/3.5G, microSD I/O
- AGPS, IP 64

OPI2201
- Cabled device
- 2D CMOS imager with auto-focus
- RS232, Keyboard Wedge, USB

+ Basic Product Specifications

PX35_002

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 / 180º rotation
- Font size: 6x6 / 6x12 / 8x8 / 8x16 dots

Operating indicators
- Visual: 1 LED (red/green/orange/blue)
- 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: baudrate 9600 bps - 115.2 kbps (SIR)
- Bluetooth: HID, SPP, range up to 10 m, 1 to 1 connection, master/slave mode, authentication and encryption

Power
- Rechargeable battery: Lithium-Ion 3.7V 1880mAh
- Backup battery: Rechargeable manganese silicon lithium battery 3.4mAh
- Charging method: Separate cradle CRD9722 / CRD9723RU, separate power supply

2D Imager Optics
- Light source: Aiming laser diode, illumination LEDs
- Scan method: CMOS area sensor, 900 x 512 pixels, gray scale
- Scan rate: Up to 80 fps, after auto-focus activation (100 ms after triggering)
- Trigger mode: Manual, multiple read
- Image format: Bitmap, JPEG
- Reading pitch angle: -50 to 0°, 0 to +50°
- Reading skew angle: -50 to 0°, 0 to +50°
- Reading tilt angle: 360°
- Min. resolution at PCS 0.9: 0.127 mm / 5 mil
- Min. PCS value: 0.45
- Field of view: Horizontal 40º, Vertical 23º
- Depth of field: At *QR Code* and Code 39
  45 - 1000 mm / 1.77 - 39.37 in (0.127 mm / 5 mil)
  45 - 65 mm / 1.77 - 2.56 in (0.127 mm / 5 mil),
  45 - 250 mm / 1.77 - 9.84 in (0.381mm / 15 mil),
  45 - 110 mm / 1.77 - 4.33 in (0.127 mm / 5 mil),
  50 - 260 mm / 1.97 - 10.24 in (0.254 mm / 10 mil),
  120 - 1000 mm / 4.72 - 39.37 in (1.0 mm / 39 mil)

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

Durability
- Temperature in operation: -5 to 40 ºC / 23 to 104 ºF
- Temperature in storage: -20 to 60 ºC / -4 to 140 ºF
- 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 Cradle: Charging
- CRD9723RU Cradle: Serial communication, charging
- Power supply100-240V/0.5A, 50/60 Hz, 6V/2A (for battery charging)

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- **The Netherlands:** Hoofddorp
- **France:** Issy Les Moulineaux
- **Germany:** Dietzenbach
- **Italy:** Villanova di Castenaso (BO)
- **Sweden:** Järfälla
- **United Kingdom:** Luton, Bedfordshire
- **U.S.A.:** Renton, WA
- **Brazil:** São Paulo
- **Japan:** Warabi City
- **Taiwan:** Taipei
- **P.R.China:** Shanghai
- **Australia:** West Ryde

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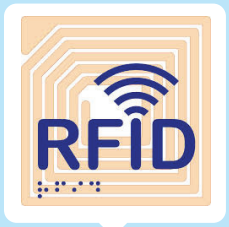
Label printers

Barcode readers

Data terminals & PDA

PVC card printers



RFID

Consumables
(labels, ribbons, PVC cards)

All Brands Technical Service

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