OPTICON

Data Collectors

OPL9714

Barcode laser scanner

GPS

IrDA

Serial cradle

Modem cradle

GSM cradle

+ Related products

OPL9715
- Data Collector
- Barcode laser scanner
- GPS

OPL9724
- Data Collector
- Barcode laser scanner
- IrDA, Bluetooth
- 3 key operation

H19A
- Windows Mobile
- Barcode laser scanner
- Bluetooth, W-LAN (WiFi), GSM/GPRS/EDGE, miniSD I/O
- GPS, IP 54

+ Basic Product Specifications

Operation
- CPU: 16-bit
- O/S: Proprietary
- Software: Programmable in C-language. Ansi-C Cross compiler obtainable. Software development kit free downloadable
- RTC: Supports year, month, day, hour, minute, second (leap year supported)

Memory
- FlashROM: 1 MB
- RAM: 512 kB

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)
- Non-visual: Buzzer

Operating keys
- Entry options: 3 keys total, 2 function keys, 1 scan key

Communication
- IrDA: Ver. 1.2, baudrate 2400 bps - 115.2 kbps
- GPS: NMEA 0183, SiRF Star III, 4.8 kbps

Power
- Rechargeable battery: Lithium-Ion 3.7V 1000mAh
- Backup battery: Rechargeable manganese silicon lithium battery 3mAh
- Operating time: Ca 50 hours (1 scan / 5 sec excl. connection), Ca. 10 hours (1 scan / 5 sec incl. GPS connection)
- Data retention time: Ca. 72 hours
- Charging method: Separate cradle CRD9720 series

Barcode scanner Optics
- Light source: 650 nm visible laser diode
- Scan method: Vibrating mirror
- Scan rate: 100 scans/sec
- Reading pitch angle: -25 to 0º, 0 to +25º
- Reading skew angle: -8 to -50° / +8 to +50°
- Reading tilt angle: -20 to 0º, 0 to +20º
- Curvature: R>20 mm (EAN8), R>25 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 (1.0 mm / 39 mil),
  35 - 210 mm / 1.38 - 8.27 in (0.5 mm / 20 mil),
  35 - 120 mm / 1.38 - 4.72 in (0.25 mm / 10 mil),
  35 - 70 mm / 1.38 - 2.76 in (0.15 mm / 6 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, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey
- Postal code: Chinese Post, Korean Postal Authority code
- 2D code: Composite Codes, MicroPDF417, PDF417

Durability
- Temperature in operation: 0 to 40 ºC / 32 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 - 90% (non-condensing)
- Ambient light immunity: White 3,000 lx max, Fluorescent 3,000 lx max, Direct sun 50,000 lx max
- Drop test: 1.5 m / 5 ft drop onto concrete surface
- Protection rate: IP 54

Physical
- Dimensions (w x h x d):
  44 x 140 x 22 mm / 1.73 x 5.51 x 0.87 in
- Weight body: Ca. 115 g / 4.1 oz (incl. battery)
- Case: ABS, Black

Regulatory & Safety
- Product compliance: CE, FCC, VCCI, RoHS, JIS-C-6802 Class 1, IEC 60825-1 Class 1, FDA CDRH Class I

Enclosed items
- Rechargeable battery
- Hand strap

Sold separately
- CRD9722 Cradle: Charging
- CRD9723RU Cradle: Serial communication, charging
- CRD9723RU1 Cradle: Multi-cradle, 1x communication, 5x charging
- CRD9723RU5 Cradle: Multi-cradle, 5x communication, 5x charging
- CRD9726 Cradle: Modem communication, charging
- CRD9727 Cradle: GSM communication, charging
- OPL9700 Nylon case with swivel clip & window
- OPL9700 Nylon case with swivel clip
- OPL9700 Nylon case with fixed clip

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- **The Netherlands:** Hoofddorp
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