OPN2002
Pocket memory scanner

Bluetooth™

USB

Multi-cradle

+ Related products

OPN2001
· Data Collector
· Pocket memory scanner
· USB

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

OPL9725
· Data Collector
· Barcode laser scanner
· IrDA
· 1 key operation

+ Basic Product Specifications

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: 1 MB (Program storage + >25.000 barcodes + time stamp)
- RAM: 1 MB

Operating indicators
- Visual: 1 LEDbar (red/green/orange)
- Non-visual: Buzzer

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

Communication
- USB: MiniUSB, Ver. 1.1, VCP
- Bluetooth: Ver. 1.2, SPP, HID, 1 to 1 connection, master mode, authentication and encryption

Power
- Rechargeable battery: Lithium-Ion Polymer 3.7V 240mAh
- Operating time: Ca. 7 hours
- Data retention time: Ca. 72 hours
- Charging method: Enclosed USB cable, separate cradle CRD2000 series

Barcode scanner Optics
- Light source: 650 nm visible laser diode
- Scan method: Vibrating mirror
- Scan rate: 100 scans/sec
- Reading pitch angle: -35 to 0°, 0 to +35°
- 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. PCS value: 0.45
- Depth of field: At PCS 0.9 UPC
  60 - 570 mm / 2.36 - 22.44 in (1.0 mm / 39 mil),
  40 - 360 mm / 1.57 - 14.17 in (0.5 mm / 20 mil),
  40 - 220 mm / 1.57 - 8.66 in (0.25 mm / 10 mil),
  40 - 120 mm / 1.57 - 4.72 in (0.15 mm / 6 mil),
  50 - 100 mm / 1.97 - 3.94 in (0.127 mm / 5 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-ISMN-ISSN, Matrix 2of5, MSI/ Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey
- Postal code: Chinese Post, Korean Postal Authority code
- 2D code: MicroPDF417, PDF417

Durability
- Temperature in operation: 0 to 50 °C / 32 to 122 °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: White 3,000 lx max, Fluorescent 3,000 lx max, Direct sun 80,000 lx max
- Protection rate: IP 42

Physical
- Dimensions (w x h x d):
  32 x 62 x 16 mm / 1.26 x 2.44 x 0.63 in
- Weight body: Ca. 29 g / 1.0 oz (incl. battery)
- Case: ABS, Black

Regulatory & Safety
- Product compliance: CE, FCC, VCCI, RoHS, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II

Enclosed items
- USB cable
- Neck strap

Sold separately
- CRD2000U10 Cradle: Multi-cradle, 10 slots, USB communication, charging
- CRD2000RU10 Cradle: Multi-cradle, 10 slots, RS232 + USB communication, charging

OPTICON

WWW.OPTICON.COM