

# OPTICON

# Windows CE



# H15

## Barcode laser scanner

### Serial cradle



#### + Related products



##### PHL7114

- Windows CE
- Barcode laser scanner
- Bluetooth, W-LAN (WiFi), GSM/GPRS, serial connector
- IP 54



##### OPH1004

- Batch Terminal
- Barcode laser scanner
- IrDA
- IP 54



##### PHL8112

- Windows CE
- Barcode laser scanner
- Bluetooth, W-LAN (WiFi), serial connector
- IP 65

## Operation

- CPU: Intel PXA 270 312Mhz
- O/S: Windows CE 5.0
- Software: Wordpad, Internet Explorer, Inbox, Active Sync, Messenger, Opticon scanner application, Accessories, Upgradeable via user accessible microSD
- RTC: Supports year, month, day, hour, minute, second (leap year supported)

## Memory

- FlashROM: 256 MB
- RAM: 64 MB
- Expansion: User accessible microSD + HC

## Display

- Type: Graphic Transflective TFT with touch panel, 256K color with adjustable backlight
- Size: 2.4", 240 x 320 pixels
- Mode: Portrait

## Operating indicators

- Visual: 2 LEDs (red/green)
- Non-visual: Buzzer

## Operating keys

- Entry options: 25 keys total, 12 keys (alpha)numeric keypad, 4-way navigation keys, 4 function keys, 5 control keys, 1 power key, 2 hot keys, 1 scan key

## Communication

- Bluetooth: Ver. 2.0, SPP, DUN, OPP, HID (only keyboard support), output power class 2
- W-LAN: 802.11b/g, CCK, TKIP, WEP, WPA, WPA2, EAP, LEAP, PEAP, AES, PSK (pre-shared, static, dynamic), Cisco CCX compatible Ver. 4

## Power

- Rechargeable battery: Lithium-Ion 3.7V 1880mAh
- Operating time: Ca. 8 hours (backlight on, 1 scan + W-LAN connection / 5 sec)
- Charging method: Separate cradle CRD15 with spare battery bay
- Battery charging time: When battery in terminal ca. 3.5 hours charge, Separate battery ca. 5.5 hours

## 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. resolution at PCS 0.9: 0.127 mm / 5 mil
- Min. PCS value: 0.45
- Depth of field: At PCS 0.9, Code 39  
60 - 640 mm / 2.36 - 25.20 in (1.00 mm / 39 mil),  
40 - 410 mm / 1.57 - 16.14 in (0.5 mm / 20 mil),  
40 - 250 mm / 1.57 - 9.84 in (0.25 mm / 10 mil),  
40 - 140 mm / 1.57 - 5.51 in (0.15 mm / 6 mil),  
50 - 110 mm / 1.97 - 4.33 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: Composite Codes, MicroPDF417, PDF417

## Durability

- Temperature in operation: -10 to 50 °C / 14 to 122 °F
- Temperature in storage: -20 to 60 °C / -4 to 140 °F
- Humidity in operation: 5 - 85% (non-condensing)
- Humidity in storage: 5 - 90% (non-condensing)
- Ambient light immunity: White 4,000 lx max, Fluorescent 4,000 lx max, Direct sun 80,000 lx max
- Drop test: 1.5 m / 5 ft drop onto concrete surface
- Protection rate: IP 54

## Physical

- Dimensions (w x h x d):  
57 x 164 x 28/24 mm / 2.24 x 6.46 x 1.10/0.94 in
- Weight body: Ca. 225 g / 7.9 oz (incl. battery)
- Case: Black

## Regulatory & Safety

- Product compliance: CE incl. LVD, FCC, cUL, RoHS, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II

## Enclosed items

- Standard battery Lithium-Ion 3.7V 1880mAh
- Hand strap
- Stylus

## Sold separately

- CRD15 Cradle: Serial communication, charging
- CRD15E4 Cradle: Multi-cradle, 4 slots, Ethernet communication, charging

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