

OPTICON

Windows CE



H15B

2D CMOS imager with auto-focus



+ Related products

H15

- Windows CE
- Barcode laser scanner
- Bluetooth, W-LAN (WiFi)
- IP 54



PHL8152

- Windows CE
- 2D CMOS imager
- Bluetooth, W-LAN (WiFi), serial connector
- IP 65



H19B

- Windows Mobile
- 2D CMOS imager
- Bluetooth, W-LAN (WiFi), GSM/GPRS/EDGE, miniSD I/O
- GPS, IP 54



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

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)
- 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 40°, Vertical 23°
- Depth of field: At *QR Code* and Code 39
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 Symbolologies

- 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, Korean Postal Authority code
- 2D code: Aztec Code, Aztec Runes, Chinese Sensible code, Codablock F, Composite codes, Data Matrix (ECC200/ECO-140), Maxi Code (mode 2-5), MicroPDF417, Micro QR Code, PDF417, QR code

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 10,000 lx max, 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 54

Physical

- Dimensions (w x h x d): 57 x 164 x 32/24 mm / 1.26 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 + 1M, IEC 60825-1 Class 2 + 1M, 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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