

OPTICON

Windows CE



PHL8152

2D CMOS imager

IrDA

Bluetooth™

WiFi™

Serial connector
Serial cradle

+ Related products

H19B

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

PHL8112

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

PHL7254

- Windows CE
- 2D CMOS imager
- Bluetooth, W-LAN (WiFi), serial connector
- IP 54



Operation

- CPU: Intel® PXA270 32-bit RISC 520Mhz
- O/S: Windows CE 5.0
- Software: Wordpad, Internet Explorer, Inbox, Active Sync, Messenger, Opticon scanner application, Accessories, Upgradeable via user accessible SD
- RTC: Supports year, month, day, hour, minute, second (leap year supported)

Memory

- FlashROM: 128 MB
- RAM: 128 MB SDRAM
- Expansion: User accessible SD + HC

Display

- Type: Graphic Transflective TFT with touch panel, 256K color with adjustable backlight
- Size: 3.5", 240 x 320 pixels
- Mode: Portrait

Operating indicators

- Visual: 1 LED (red/green scanning indication)
- Non-visual: Buzzer

Operating keys

- Entry options: 29 backlit keys total, 12 (alpha)numeric keys, 2 navigation keys, 4 function keys, 1 custom key, control keys, 1 power key, 3 scan keys

Communication

- RS232: Baudrate 150 bps - 115.2 kbps, serial cable connector
- USB: Ver. 1.1, full speed, serial cable connector client, optional host
- IrDA: Baudrate automatically determined, including IrDA protocol stack
- Bluetooth: Ver. 1.2, SPP, DUN, OPP, HID (only keyboard support), output power class 2, range 5-10 m
- W-LAN: 802.11b/g, CCK, TKIP, WEP, WPA, WPA2, EAP, LEAP, PEAP, AES, PSK (pre-shared, static, dynamic), Cisco CCX compatible Ver. 4
- Audio: Speaker/microphone (mono), headset connector (stereo)

Power

- Rechargeable battery: Lithium-Ion, 3.7 V 2200 mAh
- High-capacity battery: Optional 3.7 V 4000 mAh
- Backup battery: 1 rechargeable backup Lithium-Ion Polymer battery
- Charging method: Enclosed power supply, separate cradle IRU8000, separate car charging adapter
- Battery charging time: Ca. 3 or 5.5 hours when charging through power supply, ca. 4 or 7 hours when charging by cradle Standard battery (resp. Standard or High-capacity battery)

2D Imager Optics

- Light source: Illumination 4 red LEDs 630 nm, aiming 2 green LEDs
- Scan method: CMOS area sensor (gray-scale), 1024 (V) x 1280 (H) Pixels
- Scan rate: Up to 30 fps
- Trigger mode: Manual, multiple read
- Reading pitch angle: -50 to 0°, 0 to +50°
- Reading skew angle: -60 to 0°, 0 to +60°
- Reading tilt angle: 360°
- Curvature: R>15 (EAN8), R>20 (EAN13)
- Min. PCS value: 0.45
- Depth of field: At PCS 0.9, PDF417 50 - 215 mm / 1.97 - 8.46 in (0.339 mm / 13 mil), 95 - 135 mm / 3.74 - 5.31 in (0.127 mm / 6 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-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, 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 - 95 % (non-condensing)
- Drop test: 1.5 m / 5 ft drop onto concrete surface

Physical

- Dimensions (w x h x d): 82 x 155 x 31/33 mm / 3.23 x 6.10 x 1.22/1.30 in
- Weight body: Ca. 355 g / 12.5 oz (incl. battery)
- Case: Black

Regulatory & Safety

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

Enclosed items

- Power supply 5V/2.6A + Power supply
- Standard battery 3.7V DC 2200 mAh
- USB client cable
- Hand strap
- Stylus + Spring cord
- Ear microphone (stereo)

Sold separately

- IRU8000 Cradle: Serial communication, charging
- IRU7004 spare battery charger
- High-capacity Lithium-Ion battery 3.7V DC 4000mAh
- RS232 serial cable
- USB host cable
- Car charging adapter
- Nylon case fixed clip