

OPTICON

Windows CE



PHL7142

Long range laser scanner

CF Type II I/O

Serial connector
Serial cradle



+ Related products



OPR3004

- Cabled device
- Long range scanner
- RS232, Keyboard Wedge, USB



PHL7214

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



PHL8112

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

Operation

- CPU: Intel® PXA255 32-bit RISC 400Mhz
- O/S: Windows CE 5.0
- Software: Wordpad, Internet Explorer, Inbox, Active Sync, Messenger, Opticon scanner application, Accessories, Upgradeable via integrated SD
- RTC: Supports year, month, day, hour, minute, second (leap year supported)

Memory

- FlashROM: 64 MB
- RAM: 128 MB SDRAM
- Expansion: Integrated SD, CF Type II

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: 2 LEDs (triple-color charging indication & dual-color scanning indication)
- Non-visual: Buzzer

Operating keys

- Entry options: 29 backlit keys total, 16-key (alpha)numeric/control keypad, 4-way navigation keys, 1 function key, 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
- 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)
- Extension: User accessible CF Type II I/O

Power

- Rechargeable battery: Lithium-Ion 3.7V 3000mAh
- High-capacity battery: Optional 3.7V 4000mAh
- Backup battery: 1 integrated rechargeable backup battery
- Charging method: Enclosed power supply, separate cradle IRU7000, separate car charging adapter
- Battery charging time: Ca. 4 or 5.5 hours when charging through power supply, ca. 5 or 7 hours when charging by cradle Standard battery (resp. Standard or High-capacity battery)

Barcode scanner Optics

- Light source: 650 nm visible laser diode
- Scan method: Bi-directional scanning
- Scan rate: 40 scans/sec
- Reading pitch angle: -20 to 0°, 0 to +20°
- Reading skew angle: -55 to -10°, +10 to +55°
- Reading tilt angle: -5° to 0°, 0 to +5°
- Curvature: R>15 (EAN8), R>20 (EAN13)
- Min. PCS value: 0.45
- Depth of field: At PCS 0.9 Code 39
500 - 2800 mm / 19.69 - 110.24 in (1.4 mm / 55 mil),
450 - 2400 mm / 17.72 - 94.49 in (1.0 mm / 39 mil),
420 - 1500 mm / 16.54 - 59.06 in (0.5 mm / 20 mil),
600 - 980 mm / 23.62 - 38.58 in (0.33 mm / 13 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, ISBN, Industrial 2of5, Interleaved 2of5, Matrix 2of5, MSI/Plessey, Telepen
- Postal code: Chinese Post, Korean Postal Authority code

Durability

- Temperature in operation: 10 to 50 °C / 14 to 122 °F
- Temperature in storage: -20 to 70 °C / -4 to 158 °F
- Humidity in operation: 5 - 95% (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):
91.3/78 x 192.5 x 60.6/42.2 mm
3.59/3.07 x 7.58 x 2.39/1.66 in
- Weight body: Ca. 600 g / 1 lb 5 oz (incl. battery)
- Case: Black

Regulatory & Safety

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

Enclosed items

- Power supply 100-240V/0.6A, 50/60 Hz, 5V/2.6A + Power cord
- Standard battery Lithium-Ion 3.7V 3000mAh
- USB client cable
- Hand strap
- Stylus
- Ear microphone (stereo)
- CF support guide

Sold separately

- IRU7000 Cradle: Serial communication, charging
- IRU7004 spare battery charger
- High-capacity battery Lithium-Ion 3.7V 4000mAh
- GSM ear microphone (mono)
- RS232 serial cable
- USB host cable
- Car charging adapter
- Holster
- Pistol grip

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