

WINDOWS CE

# PHL 7254

Ruggedized terminal



This ruggedized terminal is equipped with Windows CE™ operating system. Features are: 400Mhz Intel XScale CPU, 64 MB FlashROM, 128 MB SDRAM, full keypad (43 keys) and full colour 3.5" LCD display. Opticon provides the terminal with a 2D scanner. For data exchange W-LAN, GSM/GPRS and Bluetooth can be integrated.

## Product Features

### Windows® CE 5.0 Operating System

User friendly Windows compatible environment

### High Capacity Battery

3000 mAh working power or more

### Wireless communication

WiFi(802.11b) + Bluetooth + GSM/GPRS

### Integrated 2D scanner

Quick scanning of barcodes and 2D codes

### IP54 Certified

Dust protected / Splashed water proof

Cabled

**Wireless**

Stationary

OEM

**OPTICON**  
always scanning for new ID's

## Specifications

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### Electrical specifications

Main battery pack: Standard Li-Ion battery pack, 3.7 V, 3000 mAh, Optional High Capacity Li-Ion battery pack 3.7 V, 4000 mAh  
Backup battery: 1 integrated rechargeable backup battery  
Charging method: Built-in battery charger by power adapter (110~240V AC / 50/60Hz input, 5V DC / 2.6A output)

### Optical specifications

Light source: illumination 4 red LEDs 630 nm, aiming 2 green LEDs  
Scan method: CMOS area sensor (gray-scale)  
Photo sensor: 1024 (V) x 1280 (H) Pixels  
Reading pitch angle: -50 to 0°, 0 to +50°  
Reading skew angle: -60 to 0°, 0 to +60°  
Reading tilt angle: 360°  
Min. resolution at PCS 0.9: 0.127 mm / 5 mil at PDF 417, 0.1 mm / 4 mil at Code 39, 0.169 / 7 mil at Data Matrix, QR Code  
Min. PCS value: 0.45  
Depth of field: at PCS 0.9, PDF417  
50 - 215 mm / 1.97 - 8.46 in (res. 0.339 mm / 13 mil),  
95 - 135 mm / 3.74 - 5.31 in (res. 0.127 mm / 6 mil)  
Field of view: horizontal: 47°, vertical: 37.5°

### Communication specifications

Interface USB: ver. 1.1, client, optional host  
Interface Bluetooth: ver. 1.2, class II compliant, range 5-10 m, SPP, OBEX  
Interface W-LAN: 802.11b, WEP, WPA, PSK  
Interface GSM/GPRS: Tri-band 900/1800/1900, Class C

### Identification

Supported barcode symbologies (1D): JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, IATA, Industrial 2of5, Interleaved 2of5, Korean Postal Authority code, Matrix 2of5, MSI/Plessey-UK/Plessey, RSS, S-Code, Telepen, Composite codes  
Supported 2D code symbologies: Aztec Code, Aztec Runes, Data Matrix (ECC200/EC0-140), Maxi Code (mode 2-5), MicroPDF417, PDF417, QR code

### Functionality

Memory FlashROM: 64 MB  
Memory RAM: 128 MB SDRAM and optional SD-card memory  
Microprocessor: 400Mhz, Intel® PXA255 32-bits RISC CPU  
Real time clock: Quartz RTC, time and date programmable, leap year handling  
Display: 3.5" 240 X 320 Graphic Transflective TFT, 256K Color LCD with LED adjustable Backlight, 4-Wire Resistance Type Touch Panel  
Character fonts: min. 4 lines x 14 characters, max. 10 lines x 18 characters  
Indicators: Triple-color charging indication, Dual-color scanning indication  
Keyboard: 43 keys, Back-lit keypad  
Input devices: Stylus or finger operation / built-in Scanner operation  
Programming: Pre-loaded Software: Windows® CE 5.0 Professional, .NET Compact Framework 2.0, IE 6.0, Inbox, Active Sync, upgradeable via SD card

### Environmental specifications

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 fluorescent light rejection: 4,000 lx max.  
Ambient white light rejection: 4,000 lx max.  
Ambient direct sun light rejection: 80,000 lx max.  
Shock packed drop test: 1.5 m / 5 ft drop onto concrete surface  
Protection (dust and moisture, IEC529): IP 54

### Physical specifications

Dimensions: (H) 219.5 mm / 8.64 in x (W) 91.3/78 mm / 3.59/3.07 in x (D) 64.6/42.2 mm / 2.54/1.66 in  
Weight body: Ca. 665 g / 1 lb 7 oz (including standard battery)

### Regulatory

Product compliance: CE, FCC, cUL, RoHS