

WINDOWS CE

PHL 7114

Ruggedized terminal



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

Quick barcode scanning

IP54 Certified

Dust protected / Splashed water proof

Cabled

Wireless

Stationary

OEM

OPTICON

always scanning for new ID's

Specifications

PHL 7114 Ruggedized terminal

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: 650 nm visible laser diode
Scan method: vibrating mirror
Scan rate: 100 scans/sec
Decode rate: 100 decodes/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. PCS value: 0.45
Depth of field: at PCS 0.9 Code 39
70 - 650 mm / 2.76 - 25.59 in (res. 1.00 mm / 39 mil),
50 - 420 mm / 1.97 - 16.54 in (res. 0.5 mm / 20 mil),
50 - 260 mm / 1.97 - 10.24 in (res. 0.25 mm / 10 mil),
50 - 150 mm / 1.97 - 5.91 in (res. 0.15 mm / 6 mil),
60 - 120 mm / 2.36 - 4.72 in (res. 0.127 / 5 mil)

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, Chinese post, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, IATA, ISBN, Industrial 2of5, Interleaved 2of5, Korean Postal Authority code, Matrix 2of5, MSI/Plessey, RSS, Telepen, UCC/EAN-128

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: 16 keys, Back-lit keypad
Input devices: Stylus or finger operation / built-in Scanner operation
Programming: Pre-loaded Software: Windows TM CE 5.0 Professional, .NET Compact Framework 5.0, IE 6.0, Inbox, Active Sync, upgradeable via SD card
Interface USB: client, optional host

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) 192.5 mm / 7.58 in x (W) 91.3/78 mm / 3.59/3.07 in x (D) 60.6/42.2 mm / 2.39/1.66 in
Weight body: Ca. 600 g / 1 lb 5 oz (incl. standard battery)

Regulatory

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